Each room requires its own lighting concept that is right for the users, the architecture and the interior. At ERCO, long-standing experience with design-oriented architectural and object lighting within the various architectural segments comes together with state of the art LED technology. We have detailed the individual benefits of ERCO LED lighting tools for modern office, retail, museum, airport and facade lighting on the following pages.

As part of this, we respond to your most important questions concerning lighting with LED within the context of our essential fields of application.

More at: www.erco.com/planning-light
Flood (ca. 30°)

d 100lx 250lx 500lx 1000lx

2m 0,8m 100lm 250lm 500lm 1000lm

4m 1,6m 200lm 500lm 1000lm 2000lm

6m 2,4m 300lm 750lm 1500lm 3000lm

8m 4,4m 400lm 1000lm 2000lm 4000lm

Quickly find the right LED rating using the selection guide at the back of the catalogue.

© ERCO GmbH 2020
Indoors Track and light structures

48V track

ERCO Minirail 48V track

Miniaturised track profile
Recessed, surface-mounted or pendant mounting possible
Cultur e, Shop

220–240V track and light structures

ERCO track and singlets

Low height
Recessed, surface-mounted or pendant mounting possible
Proven infrastructure

ERCO Hi–trac track and light structure

Indirect lighting available
Spacing of up to four metres
Based on the proven ERCO track
Cultur e, Community
Luminaires for track

Spotlights, floodlights and wallwashers for 48V track

**Eclipse 48V**

- Miniaturised luminaire dimensions
- Extensive accessories as well as RGBW and tunable white
- Contour spotlights and zoom spotlights available

**Eclipse InTrack**

- Five sizes, ultra-slim Intrack adapter
- Extensive accessories as well as RGBW and tunable white
- Contour spotlights and zoom spotlights available
- Culture, Shop, Community

**Oseris**

- Ideal for narrow ceiling channels
- Ball joint for easy alignment
- Zoom spotlights available
- Shop, Culture

**Parscan**

- Ideal for ceiling channels and singlets
- Zoom spotlights available
- Elegant design due to integrated control gear
- Culture, Shop

**Pollux**

- Compact luminaire dimensions
- Contour spotlights and zoom spotlights available
- Culture, Hospitality

---

**Spotlights, floodlights and wallwashers for 220–240V track**

---

**Eclipse**

- Ideal for existing phase dimmable systems
- Extensive accessories
- Contour spotlights and zoom spotlights available
- Culture, Shop, Community

---

**Eclipse InTrack Oseris**

- Ideal for narrow ceiling channels
- Ball joint for easy alignment
- Zoom spotlights available
- Shop, Culture
### Luminaires for track

**Spotlights, floodlights and wallwashers for 220–240V track**

<table>
<thead>
<tr>
<th>Luminaires</th>
<th>Wattages</th>
<th>Features</th>
</tr>
</thead>
</table>
| **Optec** | 172      | Contour spotlights and zoom spotlights available  
RGBW available  
Pivotal through 270°  
Shop, Culture |
| **Optec Basic** | 180      | Very good price-performance ratio  
Uniformly illuminated light emission surface  
Pivotal through 270°  
Shop |
| **Stella** | 186      | Large lumen packages for high illuminances  
Ideal for high rooms  
Strong accents from large distances  
Community, Contemplation |
| **Light Board** | 192      | RGBW available  
Elegant design due to integrated control gear  
Suitable for singlets  
Culture, Shop |
| **Opton** | 198      | RGBW available  
Flat luminaire design for low rooms  
Two wattages per size  
Shop |
| **Logotec** | 204      | Elegant design due to integrated control gear  
Suitable for singlets  
Shop |
| **Cantax** | 210      | Simple, concise design  
Several wattages per size  
Hospitality, Shop |
| **Pantrac** | 216      | Extremely uniform wallwashing  
Large luminaire spacing  
Simple handling  
Culture, Community |
**Downlights and wallwashers for 220–240V track**

<table>
<thead>
<tr>
<th>Luminaires for track</th>
<th>Skim</th>
<th>Jilly</th>
<th>Compar</th>
</tr>
</thead>
<tbody>
<tr>
<td>For office workstation lighting as of UGR&lt;16</td>
<td>Slidable downlights for flexible office lighting</td>
<td>Slidable downlights for flexible office lighting</td>
<td>Slidable downlights for flexible office lighting</td>
</tr>
<tr>
<td>Three light distributions</td>
<td>High visual comfort</td>
<td>Work, Community</td>
<td>Work, Community</td>
</tr>
<tr>
<td>Community, Work</td>
<td>Work, Community</td>
<td>Work, Community</td>
<td>Work, Community</td>
</tr>
</tbody>
</table>

|-------------|--------------------------|--------------------------|--------------------------|

ERCO Program 2020
<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quintessence round</td>
<td>250</td>
<td>Pivotable through 40°&lt;br&gt;Five light distributions&lt;br&gt;Available with recessed luminaire head&lt;br&gt;Shop, Culture</td>
</tr>
<tr>
<td>Quintessence square</td>
<td>256</td>
<td>Pivotable through 40°&lt;br&gt;Five light distributions&lt;br&gt;Available with recessed luminaire head&lt;br&gt;Shop, Culture</td>
</tr>
<tr>
<td>Starpoint</td>
<td>262</td>
<td>Pivotable through 30°&lt;br&gt;Six light distributions&lt;br&gt;Small luminaire dimensions&lt;br&gt;Shop, Hospitality</td>
</tr>
<tr>
<td>Gimbal</td>
<td>268</td>
<td>Pivotable through 40°&lt;br&gt;Seven light distributions&lt;br&gt;Gimbal suspension&lt;br&gt;Shop, Community, Culture</td>
</tr>
<tr>
<td>Gimbal Basic</td>
<td>274</td>
<td>Pivotable through 40°&lt;br&gt;Very good price-performance ratio&lt;br&gt;Gimbal suspension&lt;br&gt;Shop</td>
</tr>
<tr>
<td>Gimbal with mounting bracket</td>
<td>280</td>
<td>Pivotable through 60°&lt;br&gt;Seven light distributions&lt;br&gt;Gimbal suspension&lt;br&gt;Shop, Community, Culture</td>
</tr>
<tr>
<td>Gimbal Basic with mounting bracket</td>
<td>286</td>
<td>Pivotable through 60°&lt;br&gt;Very good price-performance ratio&lt;br&gt;Gimbal suspension&lt;br&gt;Shop</td>
</tr>
<tr>
<td>Cantax</td>
<td>292</td>
<td>Pivotable through 90°&lt;br&gt;Seven light distributions&lt;br&gt;Very low recess depth&lt;br&gt;Shop</td>
</tr>
<tr>
<td>Light Board</td>
<td>298</td>
<td>Pivotable through 90°&lt;br&gt;RGBW available&lt;br&gt;Community, Culture</td>
</tr>
</tbody>
</table>
Ceiling channel system

- Individual dimensions possible
- Ideal for recessed spotlights
- Insertion plates for luminaires available

Shop
Recessed luminaires

Downlights, wallwashers and directional luminaires

Quintessence round 316
Downlights, wallwashers and directional luminaires
Tunable white
Very high visual comfort due to darklight technology
Community, Work

Quintessence square 324
Downlights, wallwashers and directional luminaires
Tunable white and RGBW available
Very high visual comfort due to darklight technology
Community, Work

Quintessence Pinhole 332
Directional luminaire pivotable through 30°
Almost invisible light source
Precise accenting
Shop

Quintessence Pinhole Basic 338
Directional luminaire pivotable through 30°
Spot light distribution
Very good price-performance ratio
Shop

Atrium double focus 344
Downlights and wallwashers
Ideal for very high rooms and inclined ceilings
Very high visual comfort
Community

Starpoint 352
Downlights with low recess depth
Small size
Hospitality, Living

Skim 358
Downlights from UGR<16
Very good price-performance ratio
Magically luminous lens
Community, Work

Compact 364
Downlights, wallwashers and double wallwashers
Shallow recess depth
Five sizes
Work, Community

Quadra 372
Downlights, wallwashers and double wallwashers
Shallow recess depth
Work, Community

6W/620lm – 32W/4400lm
2W/210lm – 32W/4400lm
3W/210lm – 3W/410lm
6W/1005lm – 10W/1635lm
2W/210lm – 3W/410lm
8W/820lm – 28W/3690lm
2W/210lm – 3W/410lm
10W/1005lm – 10W/1635lm
8W/820lm – 40W/5500lm
2W/210lm – 3W/410lm
10W/1600lm – 16W/2560lm
2W/210lm – 32W/4400lm
### Recessed luminaires

#### Downlights, wallwashers and directional luminaires

<table>
<thead>
<tr>
<th>Model</th>
<th>W/ lm</th>
<th>W/ lm</th>
<th>W/ lm</th>
<th>W/ lm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jilly square</td>
<td>6W/620lm – 36W/6735lm</td>
<td>76W/9840lm</td>
<td>10W/1400lm – 36W/6735lm</td>
<td>36W/6190lm – 36W/6735lm</td>
</tr>
<tr>
<td>Jilly linear</td>
<td>6W/6190lm – 36W/6735lm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compar linear</td>
<td>6W/620lm – 76W/9840lm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Grazing light wallwasher

- **Lightgap**
  - Impressively uniform grazing light
  - Invisible light source
  - Continuous luminaire configurations possible
  - Hospitality, Community

#### Downlights, wallwashers and directional luminaires

- **Jilly square**
  - Downlights with low recess depth
  - For office workstation lighting as of UGR<16
  - Anti-glare louvre in various colours
  - Work

- **Jilly linear**
  - Downlights with low recess depth
  - For office workstation lighting as of UGR<16
  - Anti-glare louvre in various colours
  - Work

- **Compar linear**
  - Downlights and wallwashers with extremely narrow ceiling detail
  - For office workstation lighting as of UGR<16
  - Five light distributions
  - Community, Work
### Surface-mounted downlights

<table>
<thead>
<tr>
<th>Luminaires</th>
<th>Wattages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quintessence round</td>
<td>12W/1230lm – 32W/4400lm</td>
</tr>
<tr>
<td></td>
<td>24W/2470lm – 76W/9840lm</td>
</tr>
<tr>
<td></td>
<td>8W/600lm – 8W/830lm</td>
</tr>
<tr>
<td>Atrium double focus</td>
<td>8W/820lm – 28W/3690lm</td>
</tr>
<tr>
<td></td>
<td>10W/1400lm – 36W/6735lm</td>
</tr>
<tr>
<td></td>
<td>36W/6190lm – 36W/6735lm</td>
</tr>
<tr>
<td>Starpoint</td>
<td>12W/1340lm – 38W/4920lm</td>
</tr>
<tr>
<td></td>
<td>24W/2460lm – 38W/4920lm</td>
</tr>
<tr>
<td>Skim</td>
<td>8W/800lm – 16W/1600lm</td>
</tr>
<tr>
<td>Jilly square</td>
<td>10W/1400lm – 36W/6735lm</td>
</tr>
<tr>
<td>Jilly linear</td>
<td>36W/6190lm – 36W/6735lm</td>
</tr>
<tr>
<td>Compar square</td>
<td>12W/1340lm – 38W/4920lm</td>
</tr>
<tr>
<td></td>
<td>24W/2460lm – 38W/4920lm</td>
</tr>
<tr>
<td>Compar linear</td>
<td>12W/1340lm – 38W/4920lm</td>
</tr>
<tr>
<td></td>
<td>24W/2460lm – 38W/4920lm</td>
</tr>
</tbody>
</table>

### Features

- **Quintessence round**
  - Large luminaire spacing
  - ERCO darklight technology
  - Very high visual comfort with wide light distributions
  - Community

- **Atrium double focus**
  - Ideal for high and very high rooms
  - Large lumen packages for high illuminances
  - General lighting with large luminaire spacing
  - Community, Contemplation

- **Starpoint**
  - Small luminaire dimensions
  - Decorative light emission
  - Available in chrome
  - Hospitality

- **Skim**
  - For office workstation lighting as of UGR<16
  - Good price-performance ratio
  - Magically luminous lens
  - Work

- **Jilly square**
  - For office workstation lighting as of UGR<16
  - Anti-glare louvre in various colours
  - General lighting with large luminaire spacing
  - Work

- **Jilly linear**
  - For office workstation lighting as of UGR<16
  - Anti-glare louvre in various colours
  - Very high visual comfort for working
  - Work

- **Compar square**
  - For office workstation lighting as of UGR<16
  - Three wattages
  - Four light distributions
  - Work

- **Compar linear**
  - For office workstation lighting as of UGR<16
  - Slender profile
  - Four light distributions
  - Work
Pendant luminaires

**Pendant downlights**

<table>
<thead>
<tr>
<th>Quintessence round</th>
<th>464</th>
<th>Atrium double focus</th>
<th>470</th>
<th>Starpoint</th>
<th>476</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available in three sizes</td>
<td></td>
<td>Indirect lighting available</td>
<td></td>
<td>Small luminaire dimensions</td>
<td></td>
</tr>
<tr>
<td>ERCO darklight technology</td>
<td></td>
<td>Ideal for high and very high rooms</td>
<td></td>
<td>Decorative light emission</td>
<td></td>
</tr>
<tr>
<td>Very high visual comfort with wide light distributions</td>
<td></td>
<td>Very high visual comfort</td>
<td></td>
<td>Available in chrome</td>
<td></td>
</tr>
<tr>
<td>Community, Work</td>
<td></td>
<td>Community, Contemplation</td>
<td></td>
<td>Hospitality, Living</td>
<td></td>
</tr>
</tbody>
</table>

**Compar linear**

<table>
<thead>
<tr>
<th>Jilly linear</th>
<th>482</th>
<th>Compar linear</th>
<th>488</th>
</tr>
</thead>
<tbody>
<tr>
<td>For office workstation lighting as of UGR&lt;16</td>
<td></td>
<td>For office workstation lighting as of UGR&lt;16</td>
<td></td>
</tr>
<tr>
<td>Indirect lighting with tunable white available</td>
<td></td>
<td>Indirect lighting with tunable white available</td>
<td></td>
</tr>
<tr>
<td>Anti-glare louvre in various colours</td>
<td></td>
<td>ERCO darklight technology</td>
<td></td>
</tr>
<tr>
<td>Work</td>
<td></td>
<td>Work</td>
<td></td>
</tr>
</tbody>
</table>
Task lights

- Lucy
  - 10W/860lm – 10W/1230lm
  - Very high visual comfort
  - Touch dimmer with memory function
  - Rotatable through 180°
  - Work, Community

Wall luminaires

- Ceiling washlights and wall luminaires

  - Pantrac
    - 12W/1230lm – 24W/3300lm
    - Wide and deep beam light distributions available
    - Excellent ceiling washlighting
    - Large luminaire spacing
    - Community, Culture

  - Trion
    - 12W/1230lm – 24W/3300lm
    - Wide and deep beam light distributions available
    - RGBW available
    - High visual comfort with light limiter
    - Community, Culture

  - Starpoint
    - 4W/350lm – 8W/980lm
    - Small luminaire dimensions
    - Light emission available on both sides
    - Available in chrome
    - Hospitality
Floor washlights

Floor washlight XS  534
Floor washlight round  540
Floor washlight square  546

Small luminaire dimensions
Protection rating IP44
Hospitality

Large luminaire spacing
Discreet wall detail
Two wattages available
Hospitality, Community

Wall luminaires

Grazing light wallwashers and directional luminaires

Recessed floor luminaires

Nadir IP67 round  558
Nadir IP67 square  564

Impressive grazing light
Protection rating IP67
Discreet stainless steel framing
Hospitality, Community
## Projectors, Floodlights and Wallwashers

### Outdoors

<table>
<thead>
<tr>
<th>Model</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kona XS</td>
<td>580</td>
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<tr>
<td>Gecko</td>
<td>586</td>
</tr>
<tr>
<td>Beamer</td>
<td>592</td>
</tr>
</tbody>
</table>

- **Kona XS**
  - Small luminaire dimensions
  - Small lumen packages available
  - Very high visual comfort
  - Hospitality, Living

- **Gecko**
  - Small luminaire dimensions
  - High visual comfort
  - Oval flood freely rotatable
  - Hospitality, Culture

- **Beamer**
  - Very high visual comfort
  - Public, Community, Contemplation

### Wallwashers and Ceiling-washers

<table>
<thead>
<tr>
<th>Model</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kona</td>
<td>598</td>
</tr>
<tr>
<td>Grasshopper</td>
<td>606</td>
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<tr>
<td>Lightscan</td>
<td>612</td>
</tr>
<tr>
<td>Parscoop</td>
<td>620</td>
</tr>
</tbody>
</table>

- **Kona**
  - High visual comfort
  - Five sizes
  - Dimmable on the luminaire
  - Community, Public, Culture

- **Grasshopper**
  - Small luminaire dimensions
  - Hospitality, Culture

- **Lightscan**
  - RGBW available
  - Five sizes
  - Dimmable on the luminaire
  - Community, Public, Culture

- **Parscoop**
  - Extremely uniform wall/ceiling-washlighting
  - Large luminaire spacing
  - Public, Community

---

**2W/210lm – 6W/825lm**

**8W/840lm – 18W/2475lm**

**4W/420lm – 36W/9550lm**

**2W/210lm – 96W/13200lm**

**24W/2520lm – 48W/6600lm**

---

**ERCO Program 2020**
Facade luminaires

<table>
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<tr>
<th>Facade luminaires</th>
<th>Ceiling washlights, floor washlights and walklights</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Facade luminaires</strong></td>
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</tr>
<tr>
<td><strong>Lightscan</strong></td>
<td>634</td>
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<tr>
<td><strong>Kubus</strong></td>
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</tr>
<tr>
<td><strong>Axis walklight</strong></td>
<td>646</td>
</tr>
<tr>
<td><strong>Visor</strong></td>
<td>652</td>
</tr>
<tr>
<td><strong>Lightmark</strong></td>
<td>658</td>
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<tr>
<td><strong>Cylinder</strong></td>
<td>664</td>
</tr>
<tr>
<td><strong>Focallflood</strong></td>
<td>670</td>
</tr>
<tr>
<td><strong>Orientation luminaires</strong></td>
<td>774</td>
</tr>
</tbody>
</table>

### Lightscan 634
- Ceiling washlighting
- Wide and deep beam light distributions available
- Large luminaire spacing
- Community

### Kubus 640
- Floor and facade lighting available
- Wide and deep beam light distributions available
- Accessories for wall recessing available
- Hospitality, Work

### Axis walklight 646
- High visual comfort
- Discreet facade detail
- Ideal for steps and paths
- Hospitality, Public

### Visor 652
- Wide and deep beam light distributions available
- High visual comfort
- Hospitality, Public

### Lightmark 658
- Wide and deep beam light distributions available
- High visual comfort
- Hospitality, Public

### Cylinder 664
- Available as floor and facade lighting
- Impressive grazing light
- Hospitality, Work

### Focallflood 670
- Impressive grazing light
- Pivotable through 135°
- Hospitality, Culture

### Orientation luminaires 774
- Floor washlights available
- Small luminaire dimensions
- Hospitality, Community
Bollard luminaires

Floor washlights

- **Castor**
  - 8W/840lm – 24W/3300lm
  - Available with 180° or 360° light distribution
  - 100% Dark Sky compliant
  - Four sizes

- **Midipoll**
  - 8W/840lm – 24W/3300lm
  - 360° light distribution
  - 100% Dark Sky compliant
  - Grazing light along the luminaire

- **Kabus**
  - 3W/345lm – 3W/450lm
  - Wide and deep beam light distributions available
  - 100% Dark Sky compliant
  - Grazing light along the luminaire

- **Lightmark**
  - 6W/630lm – 6W/825lm
  - Wide and deep beam light distributions available
  - Light emission opening to the front
### Quintessence round

**Downlights, wallwashers and directional luminaires**

- Five light distributions
- Very high visual comfort
- Hospitality

**Compact**

**Downlights, wallwashers and directional luminaires**

- Five sizes
- High visual comfort
- Hospitality

### Surface-mounted luminaires

**Downlights and wallwashers**

- Downlights and wallwashers
- High visual comfort
- Large luminaire spacing
- Hospitality, Community

**Compact**

- Downlights in three sizes
- Large lumen packages for high illuminances
- Flat luminaire design
- Hospitality, Community

**Lightscan**

- Downlights in three sizes
- Large lumen packages for high illuminances
- Flat luminaire design
- Hospitality, Community
In-ground luminaires

Wallwashers, uplights and directional luminaires

In-ground luminaires
Wallwashers, uplights and directional luminaires
Tesis round
Floor washlights available
Small luminaire dimensions
Blue LEDs available
Hospitality, Community

Tesis square
Impressive grazing light
Very high visual comfort
Large luminaire spacing
Public, Hospitality

Site

Orientation luminaires and floor washlights

Orientation luminaires
Floor washlights available
Small luminaire dimensions
Blue LEDs available
Hospitality, Community

2W/210lm – 32W/4400lm
0.3W/1lm – 0.8W/24lm
24W/2520lm – 24W/3300lm
28,000 possibilities and one system – the Eclipse spotlight range

The art of illuminating
With innovative darklight lenses, a wide range of accessories, five sizes, three product ranges and a variety of connectivity solutions, Eclipse is the ideal lighting tool for demanding lighting tasks in museums, shops and prestigious public buildings. Maximum flexibility is available for 48V and 220-240V. Discover your Eclipse spotlight: p. 22
10,000 lumens, illuminating from large heights with Atrium Downlights

Sophisticated light for high rooms
For lighting from room heights of 8m, Atrium offers two new sizes with luminous fluxes of up to 10,000lm. The downlights are ideal for the general lighting of airport terminals or concert halls with room heights of up to 12m with 200lx: see page 50

22 millimetres wide: Minirail 48V track

Small cross section, large flexibility
Minirail 48V track provides the perfect infrastructure for ERCO low-voltage spotlights. This track, with a width of only 22mm, is available in all control variants and various mounting options: p. 44
Eclipse sets new standards in lighting technology

The art of illuminating
The lighting of museums – and other projects with similar requirements such as those in the luxury retail segment – places the highest demands on lighting tools. The interchangeable lens units with darklight lenses not only create a magical impression with only one light point. They also offer precise, uniform light distributions and wide flexibility in the choice of beam characteristics: ranging from miniaturised lighting in confined spaces with Minirail 48V track and wall-washing in picture galleries to the display of large exhibits in halls and atria.

An extensive range of accessories round off the system – and Eclipse also offers innovative connectivity solutions using wireless standards such as Casambi Bluetooth and Zigbee.

www.erco.com/eclipse
Light for small and large dimensions

Eclipse is available in five sizes – optimised for different applications. To come even closer to our maxim of “light instead of luminaires” we have significantly miniaturised the luminaire dimensions of Eclipse size XS to a diameter of only 32 mm.

**XS**
Ideal for small exhibits and shop windows as well as for private use at very short distances

Ø 32 mm
204 lm / 2.1 W – 374 lm / 3.2 W

**S**
Perfect for sensitive exhibits and room heights up to 3 m

Ø 60 mm
287 lm / 3.2 W – 1496 lm / 12.7 W

**M**
Ideal for versatile use in museums and shops with room heights up to 5 m

Ø 92 mm
362 lm / 4.3 W – 2618 lm / 22.2 W
L
Ideal for impressive displays of exhibitions with room heights up to 8m
Ø 130mm
861lm / 9.5W – 4312lm / 38.9W

XL
Ideal for very high rooms such as atria and airports
Ø 145mm
1148lm / 12.4W – 6468lm / 58.4W

Technical data for sizes L and XL subject to reservation.
Eclipse in three product ranges

Would you like a very small luminaire on miniaturised track? Are you looking for a luminaire with an elegant InTrack adapter? Would you like to directly use Eclipse in your existing system? To be able to respond ideally to your needs, we have developed Eclipse in three different variants. With the three versions Eclipse 48V, Eclipse InTrack and Eclipse we offer the right concept for every application.

**Eclipse 48V**

Elegant with small track  
- Small spotlight dimensions  
- Combination with the Minirail 48V track  
- Accessories for changing to 220-240V track

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**Eclipse 48V**

for Minirail 48V track

**Eclipse InTrack**

for 220–240V track

**Eclipse**

for 220–240V track
Change from 48V to 220-240V with accessories

With the Intrack adapter as an accessory you can use Eclipse 48V spotlights in a 220-240V track.

**Eclipse InTrack**
In all wattages and connectivity options
- Five sizes
- Extensive control options
- Power supply unit elegantly concealed as InTrack in the 220-240V track

**Eclipse**
Optimised for existing systems
- Transadapter for existing dimmable systems for combination with existing spotlights

**Change from 48V to 220-240V with accessories**

With the Intrack adapter as an accessory you can use Eclipse 48V spotlights in a 220-240V track.
Magical darklight lens for highest visual comfort

Eclipse projects light with its darklight lens as precisely as a camera lens focuses light. ERCO thus sets new standards in architectural lighting. The interchangeable darklight lens offers lighting designers maximum flexibility and observers maximum visual comfort.
Magical effect due to uniform light emission surface

The optical cut-off of up to 60° ensures maximum visual comfort and glare-free light enjoyment

Precise light distributions for point-precise illuminances with no spill light
The right light spectrum for any application

Light must be perfectly matched to material and colour, particularly with art objects. Eclipse therefore offers six different standard spectra for various colour temperature and colour rendering preferences. If this is not sufficient and you need more flexibility in terms of colour temperature, tunable white provides the ideal solution. If you want to display in colour or plan dynamic lighting concepts, Eclipse has the perfect answer in the form of RGBW.

Select from:
- 6 spectra from 2700K to 4000K and up to CRI 97 and a further 24 spectra via conversion filter
- Tunable white from 2700K to 8000K
- RGBW with over 16 million colours

Lenses and filters as accessories:
- +/- shift of colour temperature
- Optimised colour rendering ideal for museums and shops
**6 light spectra for any application**

Eclipse gives you the perfect combination of light colour and colour rendering. 3000K CRI 97 is the right choice for the perfect rendering of colours. Maximum energy efficiency is achieved with 4000K CRI 82. Four conversion filters create 24 additional spectra from six LED light colours.

**Nuanced displays with tunable white**

Tunable white enables you to perfectly illuminate art and merchandise and ideally emphasise colours. Warm white light colours are suitable for materials with warm tones whilst neutral or cool white light colours are ideal for cool materials.

**RGBW luminaires for coloured lighting design**

LED RGBW luminaires enable selection from over 16 million colours and pastel tones. A special optic achieves completely uniform, colour shade-free mixing – ideal for the coloured display of exhibits and merchandise.
The best contour spotlight of its kind

The new Eclipse contour spotlight generates a very sharply defined light beam. As a result, fascinating effects can be created where crisply illuminated pictures appear to glow from within – ideal for museums and galleries. With tunable white you can even individually adjust the colour temperature to match the artwork.
Light-tight housing
Thanks to the closed housing, no unintentional reflections are created in the room and towards the observer.

Crisp-edged imaging area
Eclipse achieves excellent edge sharpness, especially with larger artworks.

Simple handling
The intuitive pulling out of the framing attachment enlarges the projected area. In addition, the complete luminaire head can be rotated.

3x larger imaging area
The double projection lens produces a very small focal distance and thus a projection image three times larger than previous contour spotlights.

Maximum efficiency
Eclipse achieves high illuminance even with small luminaire sizes. To crisply illuminate a picture with 50lx from a distance of 4m, you only need 8.2W in size S.

Also available as accessories: contour spotlights
With the contour spotlight attachment as an accessory, a spotlight can be converted into a flexible contour spotlight at any time.
Creating size and brightness with wallwashing

ERCO has designed Eclipse wallwashers for maximum demands regarding outstanding quality of light. Also noteworthy is their new lighting design flexibility: both luminaire spacing and distance to the wall can vary – perfect for projects with challenging conditions.

- Light starts very high up on the ceiling
- Horizontally: very high illuminance uniformity
- Vertical uniformity enables the wall to appear bright over the entire height
- Large luminaire spacing reduces the investment costs
- Perfect visual comfort due to very good glare control

Perfect wallwashing even in difficult situations

Wallwashers cannot always be positioned on the ceiling in accordance with general planning recommendations, due to beams in the room or air conditioning technology that need to be considered. The new generation of wallwashers enables very uniform light distribution for different luminaire spacings. With a room height of 6m, the luminaire spacing can vary from 1m to 3m. Compared to previous wallwashers, the luminaire distance can vary by +/- 50%, with comparable quality of light on the wall.
Variable wall distance

Eclipse wallwashers are suitable for installation close to walls. With a room height of 6m, the new wallwashers can move up to 1.5m away from the wall. Compared to conventional wallwashers, the new Eclipse wallwashers can reduce the distance to the wall by up to 25% with identical quality of light.
In-house developed optics exploit the full potential of efficiency and quality of light. The lenses guide the light with maximum precision, precisely defined light beams and high illuminances onto the target surface. From crisp-edged accentuation to uniform wallwashing – the complete bandwidth with just one luminaire range.

- Light distributions from narrow spot to wallwash
- Contour spotlights and zoom spotlights available
- Lens unit interchanged without tools

Everything from accenting to wallwashing
Contour spotlights

Framing 40°
2.18m

Lens wallwashers

Oval wide flood 55° x 83°
3.12 x 5.34m

Wallwash
Further design options – with Eclipse photometric accessories

1. **Replace the light distribution of your spotlight for another one without tools**
   - Narrow spot, spot, flood, wide flood, extra wide flood, oval flood, oval wide flood or wallwash

2. **Modulate the light distribution with lenses**
   - Softening lens
   - Sculpture lens
   - Cold Filter, Cold Filter Plus or Warm Filter, Warm Filter Plus

3. **Achieve even more visual comfort with anti-glare elements**
   - Snoot
✓ Diverse options for additional light distributions, adapted spectra and greater visual comfort

✓ Tool-free mounting of accessories

✓ Accessories are combinable: supplement your light distribution with up to 3 components

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Zoom spot or zoom oval

Framing

Skintone Filter or Food Filter

Blue Light Filter

Honeycomb louvre

Barn doors 4/8-fold
Light control in the digital age

Decide for yourself: from simple switching to the wireless programming of light scenes with Casambi Bluetooth or Zigbee – Eclipse gives you the complete range of options. Multi Dim enables you to dim Eclipse with DALI, Push Dim or via phase. On-board Dim gives you the opportunity to additionally adjust the brightness on the spotlight yourself, for example to set illuminance to a fixed value with sensitive works of art. What do you prefer?
### On-board Dim
Dimming via rotary control on the luminaire

### Multi Dim
- DALI dimmable
- Push Dim
- Phase dimmable (leading edge, trailing edge and universal dimmer)

Three control modes in one control unit. Adjust the brightness via phase dimming or Push Dim, or alternatively via DALI in a DALI track.

### Casambi Bluetooth
Control luminaires wirelessly via Bluetooth using a smartphone or tablet without additional hardware. Individual switching and dimming, setting up light scenes and integrating sensors – everything is possible with Casambi Bluetooth, including control via DALI.

### Zigbee 3.0
The wireless Zigbee radio standard is ideal for integrating into building automation systems and smart home networks. Simply control luminaires via smartphone and tablet and take advantage of the extensive control functions.

### Add-on control unit – the new connectivity interface

#### On-board Dim
Rotary control on the luminaire for manual dimming.

#### Casambi Bluetooth + DALI via Gateway
Wireless switching, dimming and programming via Casambi Bluetooth with a smartphone or tablet – also for RGBW and tunable white.

Connect your Casambi Bluetooth luminaires wirelessly to a DALI Gateway (accessory) and control them in this way with your DALI system.

#### Zigbee 3.0
Wirelessly integrate your luminaires into your building automation via the Zigbee add-on control unit and a gateway.

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**Table of Control Technologies**

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<th>On-board Dim</th>
<th>Phase Dimmable</th>
<th>DALI Dimmable</th>
<th>Multi Dim</th>
<th>Casambi Bluetooth</th>
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**ERCO Program 2020**

Erzeugt mit dem DocScape Publisher, Regelwerk $Rev: 14899 $, am 2019-12-11 um 01:03
Eclipse in the application

Whether as a tunable white solution in museums, as a miniaturised spotlight in display cases, as a spotlight mounted at a large height or for brilliant accenting in the premium retail sector – Eclipse consistently meets all the requirements placed on a modular spotlight system.
Eclipse Overview of features

1 ERCO lenses
   - made of optical polymer
   - Darklight lens: Narrow spot, Spot, Flood, Wide flood or Extra wide flood
   - Spherolit lens: Oval flood, Oval wide flood or Wallwash
   - Zoom lens: Zoom spot and zoom oval; infinitely variable focus
   - Projection lens: framing; infinitely variable focus

2 Lens unit
   - rotatable through 360°
   - polymer, white or black
   - Contour spotlight with framing attachment

3 ERCO LED module
   - High-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K), tunable white (2700K-8000K) or RGBW
   - collimating lens made of optical polymer

4 Housing and bracket
   - white (RAL9002), black or silver
   - diecast zinc or cast aluminium, powder-coated
   - pivotable from 0° to 270°
   - bracket: cast aluminium/polymer; can be rotated through 360° on the adapter

5 Eclipse 48V control gear
   - switchable, On-board Dim, Casambi Bluetooth or Zigbee
   - On-board Dim version: rotary control for control of brightness on the luminaire

Eclipse InTack control gear
   - switchable, On-board Dim, Multi Dim, Multi Dim+On-board Dim, Casambi Bluetooth or Zigbee
   - Multi Dim version: DALI dimmable, Push Dim or dimming with external dimmers (leading edge-/trailing edge-/universal dimmer) possible.
   - On-board Dim version: rotary control for control of brightness on the luminaire

6 ERCO Minirail adapter, InTrack adapter, transadapter or DALI transadapter
   Variants on request
   - housing: 10,000 further colours
   Please contact your ERCO consultant

Article numbers and planning data:
www.erco.com/Eclipse
Design and application:
www.erco.com/Eclipse
**Darklight lens**
The darklight lens creates a magical impression with just one light point. It also offers precise, uniform light distributions, wide flexibility in the selection of beam characteristics and state of the art efficiency.

**Zoom spotlights**
The light beam diameter can be infinitely adjusted from spot (17°) to wide flood (67°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.

**Contour spotlights**
Framing attachments enable a sharply defined light beam. In this way fascinating effects can be created with contour spotlights, where crisply illuminated pictures appear to glow from within.

**Various light distributions**
Various light distributions enable simple adjustment to the specific lighting task. Possible light distributions range from very narrow accenting to wide floodlighting and wallwashing.

**RGBW luminaires**
With coloured light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate coloured light very efficiently and flexibly.

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**ERCO high-power LEDs**

**Visual cut-off 30°/40°**

**Various light distributions**

**Various housing colours**

**Oval flood freely rotatable**

**Various construction sizes**

**Pivotal through 270°**

**Accessories for maximum visual comfort**

**Special characteristics**

- Efficient darklight technology
- Zoom spotlights
- Contour spotlights
- Tunable white
- Coloured light

---

**Outstanding thermal management**

**EMC-optimised**

**Multi Dim**

**Multi Dim + On-board Dim**

**Casambi Bluetooth**

**Zigbee**

**Connectivity**
The appropriate interface is always available thanks to wireless technologies such as Casambi Bluetooth and Zigbee or control via DALI. Add-on control units allow you to change selected control types.

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**ERCO Program 2020**

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Minirail 48V track

Small cross section, large flexibility
With Minirail, ERCO offers a miniaturised alternative to the classic ERCO track as the basis for flexible lighting systems: the elegant infrastructure for lighting in the digital age. Minirail is operated with 48V. The system requires only two conductors and features a significantly reduced profile cross section: ideal for all situations requiring the smallest possible system dimensions, whether for aesthetic or technical reasons. In combination with correspondingly compact luminaires for Minirail, high quality lighting can be realised in the smallest of spaces. The 48V operating voltage represents an optimum in terms of safety and efficiency.

www.erco.com/minirail-48V
The new Minirail 48V track has the same variety of accessories as the familiar ERCO track but with only a quarter of the cross section.

- Miniaturised track with many installation options
- 48V low voltage for high energy efficiency and low operating costs
- Extensive accessories and modern connectivity solutions

100% flexible
70% smaller

The new Minirail 48V track has the same variety of accessories as the familiar ERCO track but with only a quarter of the cross section.
Various mounting options are available for Minirail 48V track:

- Recessed and surface-mounted version
- Use in suspended ceilings
- Suspension via wires or pendant tubes
- Installation in furniture, e.g. display cases

Minirail enables spacing of up to 1.2m for a calm and elegant ceiling appearance.

Wire suspension
Ideal for sloping ceilings

Flexible connector
For individually adjustable angles

Coupler (flush)
Flush connection of track

Pendant tube
For high loads and elegant power feeds

Corner connector
For 90° track connection

Large system on a small scale
T-connector
For right-angled structures – also with suspended versions

Cross connector
Interface for Minirail 48V track in all directions – also with the suspended version.

Plaster trim profile
For flush mounting on the ceiling

Fastening clip

Longitudinal connector
For power feeding and connecting track

T-connector
For right-angled structures – also with suspended versions

Power supply unit
With 50W and 250W, suitable modular power supply units for a few or many luminaires are available as recessed and surface-mounted variants. Interconnecting the power supply units enables 100W and 500W.
Minirail 48V track in application

In shops, museums and galleries – with its small profile cross section the Minirail 48V track is the elegant infrastructure for lighting in the digital age.
Atrium double focus – two new sizes with up to 10,000lm

The high luminous fluxes of Atrium double focus recessed downlights in sizes 8 and 10 are ideal for rooms with high ceilings. To gain 200lx with good uniformity on the floor in a 10m high foyer, only 4 luminaires are required for 100m². The black anti-glare cone also ensures a very high level of visual comfort.
Atrium double focus downlights are now available in five sizes:

**Size 10**

- Diameter: 308mm

Ideal for high rooms of 8-12m

Very high visual comfort

Atrium double focus downlights are now available in five sizes.
The right size for every lighting task

Particularly high rooms such as airport terminals and concert halls demand high-lumen output luminaires. To achieve luminous fluxes of up to 10,000 lm, Atrium double focus recessed downlights have been expanded with two additional wattage categories. This enables you to illuminate efficiently and with high visual comfort even from very high ceilings.

www.erco.com/atrium-df
Size 8
Ø 255mm
wide flood
New

1m
2m
3m
4m
5m
6m
7m
8m
9m
10m
11m

1840lx
2560lx
440lx
600lx
280lx
380lx
260lx

Size 10
Ø 308mm
wide flood
New
Atrium double focus
in application

Designed for the general lighting of large, high rooms. The new downlights with up to 10,000lm extend the application options of the product range: as a low-maintenance and efficient lighting solution for circulation buildings and also as general lighting in concert halls, dimmable down to 0.1%.
Additions to the ERCO product range

Now wirelessly control recessed luminaires
With Casambi Bluetooth, ERCO enables luminaires to be controlled simply, intuitively and quickly via radio. Following luminaires for track, the technology has now been expanded to include recessed downlights and recessed spotlights.

Motion and daylight sensor for the ERCO track
With the Casambi Bluetooth sensor for ERCO track, light scenes can be controlled depending on movement and the incidence of daylight. This creates convenience functions that can be set up intuitively using a smartphone or tablet.

All ERCO luminaires with Casambi Bluetooth at a glance:
www.erco.com/casambi
Compar linear recessed downlights now also with 15° or 30° light distribution
General lighting with excellent visual comfort, even in high rooms. With spot (15°) and flood (30°) light distribution, Compar now offers lighting designers additional design options with just one luminaire range.

www.erco.com/compar-linear

Compar mounting frame for ceiling channels
ERCO now offers suitable mounting frames in 3 sizes for the flush installation of Compar linear in on-site ceiling channels. In this way, calm and elegant ceiling lines are created for quality appearances.

www.erco.com/compar-linear

Jilly downlights with more lumen output
Are you looking for a standard-compliant, economical lighting concept for offices? Jilly, the downlight for track, has been expanded with a further wattage, and with 2700lm and wide light distribution enables flexible and efficient office lighting.

www.erco.com/jilly-t

LED update for higher efficiency
An LED update for the Jilly range of luminaires, spotlights in the Basic range and tunable white Quintessence downlights among others increases the efficiency and quality of light of these lighting tools.

www.erco.com/jilly-t
Six white light spectra available in the complete range

In order to optimally display different material colours or to create a special light atmosphere in the room, all indoor luminaires in the ERCO range with high-power LEDs are available in six white light spectra. The colour temperature ranges from 2700K to 4000K. For particularly good colour rendering in museums, a version with CRI 97 for 3000K is also available. There is also a version with 4000K CRI 82 for combining with daylight and the requirement for very high luminous efficacy of up to 138lm/W.

<table>
<thead>
<tr>
<th>Temperature</th>
<th>CRI</th>
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<tbody>
<tr>
<td>2700K</td>
<td>92</td>
</tr>
<tr>
<td>3000K</td>
<td>92</td>
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<tr>
<td>3000K</td>
<td>97</td>
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<tr>
<td>3500K</td>
<td>92</td>
</tr>
<tr>
<td>4000K</td>
<td>82</td>
</tr>
<tr>
<td>4000K</td>
<td>92</td>
</tr>
</tbody>
</table>
2700K CRI 92
- Very warm light colour
- Suitable for warm-toned materials
- Ideal for restaurants, hotels and living areas

3000K CRI 92
- Warm white light colour
- High luminous efficacy
- Universal use

3000K CRI 97
- Warm white light colour
- High colour rendering
- Ideal for museums and galleries

3500K CRI 92
- Neutral white light colour
- High colour rendering
- Ideal for shops

4000K CRI 82
- Neutral white light colour
- Very high luminous efficacy
- Suitable for objects with cool colours

4000K CRI 92
- Neutral white light colour
- Harmonious colour ratio with incidence of daylight
- Suitable for merchandise with cool colour tones
The lighting of office buildings encompasses more than the workplace and meeting rooms – it also includes the path and facade lighting outdoors. Concentrated work demands pleasant work surroundings with high visual comfort. As well as appropriate illuminance levels, this also includes optimum glare control and the balancing effect of vertical illuminance. A particular strength of ERCO is its downlights for track – a flexible and economical alternative to classic recessed luminaires.

Find out more: www.erco.com/work

Outdoors: Representing with light

Facades, entrances and reception areas are the first opportunities for companies to present their corporate identity via the office architecture. Light sculpts the architecture and subtly communicates attributes such as openness and transparency.
**Vertical light for the first impression**

Wallwashing communicates a welcoming gesture in the reception area. Bright walls lend the room depth and create a high impression of brightness. When wallwashed, foyers with glazed facades for example can be viewed from the outside and communicate a sense of openness and transparency to customers, employees and suppliers.

**Illuminating conference rooms**

Direct, personal discussions enable efficient agreement processes in daily work. For a harmonious impression during discussions at conference tables or during video conferences, good lighting is indispensable both for discussion participants and the room itself.
Flexible workstation lighting

Modern companies work with changing teams and methods. Downlights that can be moved in the track are the ideal solution for a flexible office infrastructure.

Integrated office lighting

A zoned, ceiling-integrated lighting concept with especially small luminaires achieves a calm ceiling appearance. Downlights with excellent glare control and oval wide flood light distribution support office activities and provide uniform general light.
Illuminating circulation routes

Good orientation improves the comprehension of a building and therefore the levels of user acceptance. Luminaires with linear oval flood light distributions are ideal for the efficient lighting of corridors and circulation routes.

Light for thinking

ERCO task lights support creative work at desks with high visual comfort and a precise light beam – also in the home office at your own desk.
Museum lighting begins with accentuating light for outdoor sculptures and extends to suitable lighting tools for sensitive exhibits in the exhibition spaces. Lighting design options in museums and galleries are, however, not merely restricted to the presentation of works of art. We show you how light is able to upgrade exhibition spaces to become qualitative cultural brands – ranging from sculpture gardens to the shop and café.

Find out more: www.erco.com/culture

Outdoors: Welcoming with light

At night, light transforms museums into urban landmarks by rendering its facade and outdoor exhibits visible. Accents in the foreground adopt the role of orientation points from afar.
Making art an experience

Light renders art perceivable for visitors. Spotlights with different light distributions are ideal for accentuating art.
Crisp-edged illumination

Ideally illuminating exhibits of different sizes is their speciality: contour and zoom spotlights enable adjustable light distributions.

Displaying art from large distances

High lumen-output luminaires are needed to illuminate sculptures and art from large distances in high rooms. ERCO offers reliable and efficient lighting tools.
Uniformly illuminating art

Wallwashing with high uniformity is suitable for illuminating works of art in museums, lighting shelving in sales areas and creating a wide and prestigious spatial impression in foyers.

Attractive light for shops and cafés

Museum shops and cafés are an important source of earnings and also contribute to establishing the brand of the cultural institution. Ideal lighting is achieved with a combination of wallwashing and accents.
Impressive facade lighting and shop window lighting as well as attractive product displays contribute to the success of shops. Light not only showcases the products, but also determines the atmosphere, and therefore strengthens the direct shopping experience. Light is presented in seductive or tempting ways according to the season to arouse new emotions with regard to merchandise. The unique presentation of the space and its products with the use of light provides an essential component in its dialogue with customers.

www.erco.com/shop

Creating a presence outdoors

Illuminated facades create attention and separate the important from the unimportant. Grazing light for example provides the exteriors of shops with a prestigious appearance.

Facade luminaires p. 626.

Projectors, floodlights and wallwashers p. 570.

Attracting the eye to the shop window

Shop windows create attention and curiosity. With high-contrast accent lighting you can effectively highlight merchandise and thus direct the attention of customers to your shop.

Luminaires for track p. 120.
Leading customers into the shop

Light attracts. Lighting is therefore an indispensable medium for directing attention to the shop. Vertical lighting provides an ideal insight into the retail space and guides customers into your shop.

Luminaires for track p. 120.

Recessed spotlights, floodlights and wallwashers p. 240.

Recessed luminaires p. 306.
Creating shopping experiences with light

By using various illuminance levels and light distributions a visual hierarchy is created, products are placed in the foreground and customers are specifically guided through the store.

Luminaires for Track p. 120.

Recessed spot-lights, recessed floodlights and recessed wallwashers p. 240.

Recessed luminaires p. 306.
Promoting customer loyalty

Individual advice and consultation is the strength of the over-the-counter retail trade. In such cases light not only facilitates this communication but also emphasises the brand message. Pleasant, uniform lighting at face height is a part of this.
Community – indoor and outdoor luminaires for public buildings

Lighting for large facades, high foyers and multifunctional conference rooms are the focus of lighting design.

Buildings for public administration, educational facilities, theatres, congress centres, railway stations and airports reflect the needs and reality of a society. Creating new features or maintaining existing structures provides both opportunities and responsibilities for planners and designers. Care and quality in all planning aspects are decisive. Light assumes much more than just functional tasks – it also determines the character and representative symbolic force of public buildings.

www.erco.com/community

Lighting facades

Light plays a crucial role when providing public buildings with a prestigious identity.

It emphasises the architecture in its urban context. ERCO floodlights impressively showcase large facades.

Lighting facades

Light plays a crucial role when providing public buildings with a prestigious identity.

It emphasises the architecture in its urban context. ERCO floodlights impressively showcase large facades.

www.erco.com/community
Structuring high rooms with light

Clear and perception-oriented lighting concepts make public buildings user-friendly. Part of this is to define and structure large rooms with the use of zoned lighting. Luminaires with high lumen packages provide the required illuminance on the target surface.
Light provides orientation

Finding your way about in large public buildings is a major challenge. To enable visitors to move quickly around buildings, circulation routes and intersections should be emphasised with vertical lighting.

Luminaires for track p.120
Recessed luminaires p.306
Surface-mounted luminaires p.402
Invitingly illuminating buildings for circulation

Railway stations and airports are places of transit, often with a cooler atmosphere. Light helps to combine functionality and aesthetics and increase the quality of stay for users. A planar illuminated ceiling for example communicates a friendly environment.

Light for a wide spatial impression in halls

In multifunctional rooms and event halls the atmosphere can be varied with different components for general lighting, vertical lighting and accent lighting. Suitable lighting tools are recessed luminaires with high illuminance levels and very good glare control.
Versatile luminaires from ERCO are ideal for emphasising the facades of religious buildings in towns and cities and for atmospherically presenting contemplative spaces. In all religions, light is not only a design tool for architecture, but also a distinctive symbol of the divine. Light in sacred places creates a contemplative atmosphere for meetings between believers.

Whether in churches, mosques, temples or synagogues – light accents help to guide the view onto the essentials.

www.erco.com/contemplation

Outdoors: emphasising symbolic power

Sacred architecture translates the beliefs and importance of a religion into a physical structure – light enhances this message. The scale of monumental buildings can be emphasised with ERCO projectors, the precise light distributions of which effectively highlight facades.
Strong accent light

Religious buildings touch people through their contemplative spatial atmosphere. ERCO luminaires are integrated into the architecture, adopting a discreet role in favour of their lighting effect: accent light helps to direct attention to the essential elements in the space.
Light from a large distance

Light accents create hierarchies of perception. To illuminate precisely from a large distance, luminaires with accurately defined narrow light beams, without spill light, are required.
Light for visual orientation

Monumental rooms appear even wider and brighter due to uniform vertical light. Luminaires with large lumen packages are particularly suitable for this purpose.

A ceiling of light

Religious buildings convey dignity and grandeur. The narrow light distribution of ceiling washlights is ideal for the planar illumination of ceilings, making room heights even more impressive.
Living – indoor and outdoor luminaires for living spaces

Ranging from living rooms and dining rooms to gardens with greenery and paths, a cosy atmosphere can be created with light. ERCO lighting solutions blend harmoniously into different surroundings. Wallwashers and downlights with compact dimensions create sufficient space for living, even in small rooms. Light scenes combine ambient lighting with accents and architectural lighting and decorative luminaires harmonise to create light for well-being.

www.erco.com/living

Prestigiously illuminating facades

Grazing light directed upwards emphasises large dimensions and effectively highlights facade structures. Small luminaire dimensions integrate perfectly into any architecture.

Projectors, floodlights and wallwashers p.570
Recessed floor luminaires p.748
Light for paths

Illuminated paths and driveways provide orientation and safety. Bollard luminaires with light distributions through 360° provide efficient and inviting lighting in domestic outdoor spaces.

Attractively illuminating outdoor areas

Light transforms gardens and patios into an experience in the evening hours. ERCO luminaires with narrow light distributions create focal points for high quality environments at night.
Correctly illuminating living spaces

Uniform wallwashing creates a wide impression of the room. ERCO wallwashers achieve impressive and efficient general lighting due to large luminaire spacing.

Light for the home office

Modern models of work have made the private office more important than ever. Glare-free and freely adjustable light helps to promote creative thinking and concentrated work.
Light for fine food and drinks

ERCO attaches great importance to very good colour rendering and high brilliance. This is particularly important when illuminating kitchens and dining rooms to give food an appetizing appearance.

Recessed spotlights, floodlights and wallwashers p.240
Pendant luminaires p.456
Parks, public places, monuments and facades characterise the face of a city at night with their illumination. Their light provides orientation for various user groups, contributes to safety, enhances spatial details through accentuation and creates atmosphere. ERCO lighting tools for outdoor areas are designed to define urban spaces during nocturnal hours with highly efficient LED light, whilst receding into the background themselves thanks to their outstanding glare control.

Find out more:
www.erco.com/public

Creating orientation points with light
Memorials and bridges form important elements for orientation in urban space. Presenting them impressively in turn enables good orientation. Projectors with accent light set strong contrasts in the night-time context.
Effective illumination of landmarks

The attractive illumination of historical buildings, memorials and special objects attracts attention and also serves to promote tourism. Wallwashing is one of the most suitable methods of lighting for displaying such attractions.

Promoting nocturnal life with light

Glare along with light that is too bright, negatively affect the nighttime atmosphere. Frequently, low illuminances of about 10lx on squares are sufficient for good orientation. Dimmable ERCO luminaires confidently take on this task.
Magical light for paths and bridges

The qualitative illumination of paths extends beyond functional aspects. Facade luminaires with narrow light distribution create focal points and transform paths into attractive locations where we enjoy staying.
Light for urban life

Giving passers-by a feeling of safety and security in urban environments is one of the central guiding principles of master plans. Long wall surfaces, columns and trees can be floodlit with ERCO projectors with high levels of uniformity.

Sustainably illuminating public buildings

ERCO’s high-precision optics are free of spill light and are therefore ideal for efficiently illuminating facades with various light distributions.
Welcoming guests with light begins with exterior path and facade lighting and extends to a private ambience at the table or in the hotel room. Whether it’s boutique hotels, themed restaurants or temporary bars: every concept applied to gastronomy requires a scenic frame to carry and communicate the relevant theme. ERCO provides architectural lighting solutions with a diversity of scenographic options for room situations that convey enjoyment and pleasure.

Find out more: www.erco.com/hospitality

Illuminating facades and paths

Effective lighting concepts promote the corporate identity of a hotel or restaurant. Elegantly illuminated paths and routes and accentuated facades create a high quality appeal and a warm welcome for your guests.
Welcoming with light

Simple orientation and a pleasant atmosphere form the basis for the first encounter. Vertical lighting helps to intuitively understand the function of a room and communicates an open sense of welcome.
Light for high rooms

Open plan designed hotel foyers usually have high ceilings. In order to generate sufficient light on the target surface from large distances, high illuminances and point-precise light beams are required. ERCO luminaires are thus ideal for high rooms.
Grazing light for relaxation oases

Grazing light conveys a feel-good atmosphere, and is therefore ideal for relaxation areas and restaurants. Due to the luminaire's close distance to the wall, the light emission opening is almost invisible and therefore glare-free.

Enjoying food in good light

Whether it's local cuisine or inspired by far away countries – brilliance significantly contributes to the enjoyment of fine foods. ERCO luminaires with precise, narrow light beams create lustre with high visual comfort for your guests.

Luminaires for track
Recessed spotlights, floodlights and wallwashers
Pendant luminaires
Variable. 48V and 220-240V.
ERCO track and light structures

Since the invention of the incandescent lamp, no product has revolutionised lighting design as much as the track. It is only track that releases light and luminaires from the constraints of fixed installation. It forms the basis for variable, flexible lighting design that can be oriented to the changing design and use of a room. ERCO offers Minirail track for 48V and track for 220–240V mains voltage. The range also includes appropriate light structures for indirect lighting and higher load-bearing requirements.

Overview of all ranges: from page 100
www.erco.com/track-lighting
Miniature solution
- Low voltage for a fully-fledged track system with compact size
- Small spotlights integrate perfectly in the miniaturised track
- High design flexibility: recessed, surface-mounted or pendant mounting possible

Products used:
Minirail 48V track page 102

Feel-good infrastructure
- Flexible arrangement of luminaires
- Up to 3 circuits separately controllable
- Discreet ceiling detail: recessed variant

Products used:
ERCO track page 108
**Indirect lighting**

- Brightening of the ceiling for a higher spatial impression
- Available in various light colours
- High load capacity, even with wide suspensions

Products used:
*Hi-trac track page 114*

**Flexibly illuminated exhibitions**

- Luminaires with different light distributions can be used
- Rapid repositioning of luminaires for temporary exhibitions
- Control via dimmer, DALI, Casambi Bluetooth or Zigbee

Products used:
*ERCO track page 108*
Individual solutions
- Profile colour according to your specifications
- Connector parts for diverse geometries
- Cut to size to the millimetre with mitre saw on site

Products used:
ERCO track page 108

A proven system
- Wire suspension for difficult ceiling situations
- Future-proof: new luminaires also fit into older ERCO track and vice versa
- Decorative hooks or singlets available as accessories

Products used:
ERCO track page 108
These lighting tools solve your lighting tasks

You'd like to use miniaturised track?

Minirail 48V track as fully-fledged track with very compact dimensions

- Profile dimensions of just 22 x 15.5mm
- Casambi Bluetooth, Zigbee and DALI connectivity in the low-voltage range
- Free positioning of luminaires in the track

You need track with spacing of up to 4m?

Hi-trac track for wide spacing and higher loads

- Spacing possible up to 4m
- Loads of up to 38kg per metre permissible
Looking for track to brighten the ceiling?  

You'd like to install spotlights without track?

Hi-trac light structure for indirect lighting

- Diffuse light brightens the ceiling
- Seamless band of light with continuous-row arrangement
- Ideal for office workstation lighting

Singlets for individual mounting points

- Compact detail for installing of spotlights
- Suitable for all luminaires with 3-circuit and DALI adapters
- Recessed and surface-mounted version available
This distinguishes our ERCO track and light structures

Track for all applications

Minirail 48V track forms the supply unit for miniaturised low-voltage spotlights. ERCO track with high-voltage supply energy for conventional spotlights and other luminaires operated via adapters or sockets in the track. Special Hi-trac track is suitable for higher load requirements.

Versatile infrastructure

ERCO track is available as either recessed or surface-mounted variants, with mounting accessories for ceiling plates, for suspending via pendant tubes or wires and as point outlets.

Proven and future-proof

Track and light structures from ERCO have been in use around the globe for decades. A great plus: new spotlights mechanically fit into existing installations and luminaires already in operation can be used in new installations. This also applies to several luminaires from other manufacturers.


Design freely – on ceilings, walls or in furniture. Track can be used in a variety of ways.

Simple mounting

Easy to push out punched holes every 0.4m enable simple and quick mounting of the track.

Connectivity

ERCO track and Minirail 48V track provide the universal infrastructure for all types of control:

**Wireless via**
- ERCO Wireless DALI Connect
- Casambi Bluetooth
- Zigbee 3.0

**Wired via**
- Switchable
- On-board Dim
- Multi Dim
- DALI dimmable
- Push Dim
- Phase dimmable
Miniaturised track profile

Minirail 48V track combines maximum flexibility with minimum profile dimensions. It blends elegantly into the architecture and forms the basis for versatile lighting concepts.

Spacing of up to 4m

Hi-trac provides a structurally very powerful infrastructure with widely spaced suspension points – also perfect for the diffuse illumination of ceilings.

Spacing of up to 4m

Hi-trac provides a structurally very powerful infrastructure with widely spaced suspension points – also perfect for the diffuse illumination of ceilings.

Extending standards with accessories

With decorative hooks, safety sockets and adapters for pendant luminaires you can adapt the track infrastructure to your individual needs.

ERCO individual

You have a coloured ceiling? With our "ERCO individual" service we offer you extensive options for individualising your track – e.g. coatings in your desired colour.

www.erco.com/individual

Products with these features can be found on the next page.
NEU: Designbild Minirail

12W/1340lm – 12W/1800lm

108

102

114

92

Indoors Track and light structures

Low height

ERCO Minirail 48V track

Miniaturised track profile

Recessed, surface-mounted or pendant mounting possible

Cultural, Shop

220–240V track and light structures

ERCO track and singlets

108

ERCO Hi-trac track and light structure

Low height

Indirect lighting available

Recessed, surface-mounted or pendant mounting possible

Spacing of up to four metres

Proven infrastructure

Based on the proven ERCO track

Culture, Community
ERCO Minirail 48V track – Small cross section, large flexibility

The elegant infrastructure for lighting in the digital age
With Minirail, ERCO offers a miniaturised alternative to the classic ERCO track as the basis for flexible space-saving lighting systems. Minirail is operated with 48V. The system requires only two conductors and features a profile with a width of just 22mm: ideal for all situations requiring the smallest possible system dimensions, whether for aesthetic or technical reasons. In combination with correspondingly compact luminaires for Minirail, lighting designers can install high quality lighting in the smallest of spaces. The 48V operating voltage represents an optimum in terms of safety and efficiency. Minirail is suitable for ceiling recessing or surface-mounting and, with appropriate accessories, for suspended mounting. A wide range of configurations can be created with the various connectors, couplers and feeds.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 Aluminium profile
- White (RAL9002), black or silver
- Powder-coated or anodised
- Mounting surface with easy to remove knockouts

2 Contacts
- Two isolated copper conductors, 4.5mm²
- One 16A circuit

Variants on request
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/minirail-48V
Compact profile
The small dimensions of the track profile of only 22mm is highly discreet, thus directing the focus on the light. Compact profiles are particularly advantageous in small rooms.

48V technology
Low voltage technology achieves very good energy efficiency which leads to low operating costs.

Accessories
For special mounting situations, a comprehensive range of accessories such as connectors and suspensions is available.

Special characteristics
- 48V technology
- Compact profile
- Accessory for mounting variants
- Various housing colours
- Various construction sizes
- Easy installation
- Various mounting methods
ERCO Minirail 48V track

Construction size
- 1000mm
- 2000mm

Colour (housing)
- White
- Silver
- Black
  - 10,000 colours *

Accessories
- Connectors
- Suspension equipment
- Plaster trim profile
- Mounting components
ERCO track and singlets – Supporting role

ERCO track deliver the energy required to light up rooms. ERCO track is more than a power source. The system provides a flexible infrastructure for luminaires, DALI or standard, that can move with your changing requirements. Track are the anchor for your lighting concept and are primarily designed for mounting on ceilings or walls, whereas the flanged track is designed for suspended ceilings or flush mounted using a plaster trim profile. Individual track lengths can be connected with each other so as to form rectangular and other shapes.
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 Aluminium profile
- White (RAL9002), black or silver
- Powder-coated or anodised
- Track mounting surface with easy to remove knockouts at 0.4m intervals
- Flanged track: flanges for ceiling panels

2 Contacts
- 4 isolated copper conductors
- When used as DALI track: 1 16A circuit and 2 conductors for connecting to the DALI data line
- When used as 3-circuit track: three separately switchable circuits, 16A each

3 Earth conductor

Variants on request
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/erco-track
Various mounting methods
The system design of the track and light structures enables different types of mounting: recessed, surface-mounted, with mounting accessories for ceiling panels or for suspension with wires or pendant tubes.

Gap-free mounting using connection components
The track and light structures can be connected to form straight lines with gap-free couplings or assembled to make right-angled structures with connecting parts.

Special characteristics
- Continuous line arrangements are possible
- Accessory for mounting variants

- Various housing colours
- Various construction sizes
- Easy installation
- Various mounting methods
- Switchable
- DALI dimmable
ERC0 track and singlets

<table>
<thead>
<tr>
<th>Construction size</th>
<th>1000mm</th>
<th>2000mm</th>
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</thead>
<tbody>
<tr>
<td>Colour (housing)</td>
<td></td>
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<tr>
<td>White</td>
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<td>Black</td>
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<tr>
<td>10,000 colours *</td>
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ERC0 flanged track

<table>
<thead>
<tr>
<th>Construction size</th>
<th>3000mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour (housing)</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td></td>
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<tr>
<td>Silver</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td></td>
</tr>
<tr>
<td>10,000 colours *</td>
<td></td>
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</tbody>
</table>

Accessories

<table>
<thead>
<tr>
<th>3-circuit connection components</th>
<th>Suspension equipment</th>
<th>Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>DALI connection components</td>
<td>Mounting components</td>
<td>Plaster trim profile</td>
</tr>
</tbody>
</table>
**ERCO singlets**

**Construction size**

- **3000mm**: 104mm
- **4000mm**: 130mm

**Control**

- Switchable
- DALI

**Colour (housing)**

- **White**: 10,000 colours *
- **Black**

* available on request

Article numbers and planning data:
[www.erco.com/011280](http://www.erco.com/011280)

Design and application:
[www.erco.com/erco-track](http://www.erco.com/erco-track)
ERCO Hi-trac track and light structures – Carrying it off

Hi-trac combines the flexible options of a track with the visual comfort of indirect lighting.

The Hi-trac light structure is a heavy-duty system and allows very wide spacing between the suspensions. Hi-trac is an aluminium extrusion and available with integrated ERCO track in two versions: either with an empty upper compartment for cables or as an indirect luminaire. Hi-trac enables the combination of indirect lighting with accent light from the track.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 Panel profile
- White (RAL9002) or silver
- Aluminium, powder-coated
- Track and panel profile to be assembled on site

2 Contacts (lower part)
- 4 isolated copper conductors
- When used as DALI track: 1 16A circuit and 2 conductors for connecting to the DALI data line
- When used as 3-circuit track: three separately switchable circuits, 16A each

3 Earth conductor

4 Fixture with LED module (on upper side)
- High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
- Cover: diffuser, polymer, textured
- LED module operation with one track circuit
- Covered control gear: switchable, phase dimmable or DALI dimmable
  or
- Empty profile (upper side of track)
  - For accommodating through-wiring or cover profiles

Variants on request
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/hi-trac
Focus on mounting and accessories
ERCO’s nuanced and diversified product range has stood the test even in special situations – from planning complex light structures to high load requirements.

Special characteristics
- Accessory for mounting variants
- ERCO high-power LEDs
- Excellent thermal management
- Switchable
- Different light colours
- EMC-optimised
- Phase dimmable
- Various housing colours
- DALI dimmable
- Various construction sizes
ERCO Hi-trac track and light structure

Construction size

Colour (housing)

Accessories

Connectors

Cover profile

Suspension equipment

ERCO Hi-trac track and light structure

Construction size

2000mm

3000mm

ERCO Program 2020

Erzeugt mit dem DocScape Publisher, Regelwerk $Rev: 14899 $, am 2019-12-11 um 01:03
Construction size

LED module
Maximum value at 4000K CRI 82

Light colour (indirect)

Control
Switchable
Phase dimmable
DALI

Colour (housing)
White
Silver
10,000 colours *

* available on request

Article numbers and planning data:
www.erco.com/012190
Design and application:
www.erco.com/hi-trac
Precise. Flexible.
Luminaires for track

Spotlights with 48V and 230V bring flexible light into the architecture: flexibility is their most important feature, both in terms of positioning on the track and alignment. Spotlights are perfect for accent lighting, general lighting and wallwashing.

Overview of all ranges: from page 128
www.erco.com/spotlights
**Light for flexible work**
- Easily positioned downlights for changing office layouts
- High visual comfort for pleasant working light
- Easy wireless operation with Casambi Bluetooth

Products used:
*Jilly* page 228

**Light for communicating**
- Accents create private zones
- Light only on the target area for high cost-effectiveness
- Maximum design freedom with up to eleven different light distributions

Products used:
*Light Board* (left) page 192
*Optec* (right) page 172

**High-contrast illumination of art**
- Different light distributions for exhibits of different sizes
- Simple replacement of light distributions when exhibitions change
- Flicker-free light, suitable for filming with DALI, Casambi Bluetooth and Zigbee control gear

Products used:
*Parscan* page 160
*Optec* page 172
Improving the quality of stay
- Uniform wallwashing for a spacious impression
- Accent lighting creates a private atmosphere for dining
- Installation in singlets for a homogeneous ceiling appearance

Products used:
Light Board page 192

Designing exhibitions
- Individual adjustment of the light beam via contour and zoom spotlights
- Outstanding colour rendering due to optimal LED spectra
- Black on black: the right housing colour for the interior design

Products used:
Optec page 172

Luminaires for track Application examples
Creating sales arguments

- Precise light beams for brilliance on painted surfaces
- Flexible alignment of luminaires via track
- Different light distributions for accenting and flooding

Products used:
Parscan page 160
Opton page 198
These lighting tools solve your lighting tasks

You're looking for downlights that can be moved?

You need spotlights with adjustable light distribution?

Track downlights for standard-compliant office lighting

✓ Free positioning in the track
✓ Simple mounting without tools
✓ High visual comfort with UGR<19

Zoom spotlights for an impressive display

✓ Infinitely adjustable beam angles
✓ Zoom spot from 15° to 65° and zoom oval from 19° x 71° to 74° x 60°
✓ Ideal for changing exhibits or products
You'd like to display your gallery with small luminaires?

You'd like to illuminate from a distance of 10m?

48V technology for miniaturised luminaires

- Very compact luminaire dimensions
- Flat infrastructure due to Minirail 48V track
- Light distributions and light colours optimised for art

Lens technology for efficient lighting of public buildings

- Large lumen packages for very high illuminances
- Efficient lighting technology for precise light beams
- General lighting, wallwashing and accentuation from high levels

Eclipse 48V page 132
Stella page 186
Eclipse InTrack page 140
Parscan page 160

Design freely – on ceilings, walls or beams. Mount and move spotlights in the track without tools.

Infinitely variable light distribution
Zoom spotlights set small, medium or large accents. And they can be infinitely adjusted for any size in between.

Precision in all facets
Spherolit or Darklight technology: our optics project light without spill light for maximum illuminances on the target surface.

From small to large
You can find the right size and lumen package for any light effect and room height – from boutiques to museum foyers and from Minirail track to 3-phase track.

Change the light distribution yourself
Whatever you wish to illuminate, with ERCO you’ll find the right light distribution. If the interior changes you can simply replace the light distribution – from accent lighting to wallwashing.

18°  50°

Products with these features can be found on the next page.
Luminaires for high rooms
ERCO offers luminaires with up to 9840 lumens for lighting from wide distances. Thanks to their durability they’re perfect for installing in hard-to-access locations.

Dimming on the luminaire
On-board dimming enables dimming using the rotary control directly on the luminaire.

Visual comfort in the office
Especially for flexible, standard-compliant office lighting: down-lights for track with UGR<19.

Light for art and art appreciation
LEDs with excellent quality of light show your art in optimal colours. The light of our luminaires with DALI, Casambi Bluetooth and Zigbee control gear is flicker-free – also through the lens of your camera.

Customise
“ERCO individual” offers extensive options for the individualisation of product ranges: erco.com/individual

 Connectivity
Wireless or wired? With technologies such as Casambi Bluetooth, Zigbee and DALI we always offer you the right interface.
**Luminaires for track**

**Spotlights, floodlights and wallwashers for 48V track**

- **Eclipse 48V**
  - Miniaturised luminaire dimensions
  - Extensive accessories as well as RGBW and tunable white
  - Contour spotlights and zoom spotlights available
  - Culture, Shop

**Spotlights, floodlights and wallwashers for 220–240V track**

- **Eclipse InTrack**
  - Five sizes, ultra-slim Intrack adapter
  - Extensive accessories as well as RGBW and tunable white
  - Contour spotlights and zoom spotlights available
  - Culture, Shop, Community

- **Eclipse**
  - Ideal for existing phase dimmable systems
  - Extensive accessories
  - Contour spotlights and zoom spotlights available
  - Culture, Shop, Community

- **Oseris**
  - Ideal for narrow ceiling channels
  - Ball joint for easy alignment
  - Zoom spotlights available
  - Shop, Culture

- **Parscan**
  - Ideal for ceiling channels and singlets
  - Zoom spotlights available
  - Elegant design due to integrated control gear
  - Culture, Shop

- **Pollux**
  - Compact luminaire dimensions
  - Contour spotlights and zoom spotlights available
  - Culture, Hospitality
<table>
<thead>
<tr>
<th>Luminaires for track</th>
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<tbody>
<tr>
<td><strong>Optec</strong> 172</td>
</tr>
<tr>
<td>Contour spotlights and zoom spotlights available</td>
</tr>
<tr>
<td>RGBW available</td>
</tr>
<tr>
<td>Pivotal through 270°</td>
</tr>
<tr>
<td>Shop, Culture</td>
</tr>
<tr>
<td><strong>Optec Basic</strong> 180</td>
</tr>
<tr>
<td>Very good price-performance ratio</td>
</tr>
<tr>
<td>Uniformly illuminated light emission surface</td>
</tr>
<tr>
<td>Pivotal through 270°</td>
</tr>
<tr>
<td>Shop</td>
</tr>
<tr>
<td><strong>Stella</strong> 186</td>
</tr>
<tr>
<td>Large lumen packages for high illuminances</td>
</tr>
<tr>
<td>Ideal for high rooms</td>
</tr>
<tr>
<td>Strong accents from large distances</td>
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<td>Community, Contemplation</td>
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<td><strong>Light Board</strong> 192</td>
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<tr>
<td>RGBW available</td>
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<tr>
<td>Elegant design due to integrated control gear</td>
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<tr>
<td>Suitable for singlets</td>
</tr>
<tr>
<td>Culture, Shop</td>
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<tr>
<td><strong>Opton</strong> 198</td>
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<tr>
<td>RGBW available</td>
</tr>
<tr>
<td>Flat luminaire design for low rooms</td>
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<tr>
<td>Two wattages per size</td>
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<td>Shop</td>
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<tr>
<td><strong>Logotec</strong> 204</td>
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<tr>
<td>Elegant design due to integrated control gear</td>
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<td>Suitable for singlets</td>
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<tr>
<td>Shop</td>
</tr>
<tr>
<td><strong>Cantax</strong> 210</td>
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<tr>
<td>Simple, concise design</td>
</tr>
<tr>
<td>Several wattages per size</td>
</tr>
<tr>
<td>Hospitality, Shop</td>
</tr>
<tr>
<td><strong>Pantrac</strong> 216</td>
</tr>
<tr>
<td>Extremely uniform wallwashing</td>
</tr>
<tr>
<td>Large luminaire spacing</td>
</tr>
<tr>
<td>Simple handling</td>
</tr>
<tr>
<td>Culture, Community</td>
</tr>
</tbody>
</table>
### Downlights and wallwashers for 220–240V track

**Skim**
- For office workstation lighting as of UGR<16
- Slidable downlights for flexible office lighting
- Three light distributions
- Community, Work

**Jilly**
- For office workstation lighting as of UGR<16
- Slidable downlights for flexible office lighting
- High visual comfort
- Work, Community

**Compar**
- For office workstation lighting as of UGR<16
- Slidable downlights for flexible office lighting
- Five light distributions
- Work, Community

![Skim](image1)
![Jilly](image2)
![Compar](image3)

Eclipse 48V – The art of illuminating

One spotlight system and 28,000 possibilities: with interchangeable darklight lenses and Minirail adapters

Illuminating art in museums and galleries as well as exclusive retail projects requires high-end lighting tools. Eclipse offers innovative technology, maximum visual comfort and a system spectrum that creates unparalleled scope for individual lighting solutions. Interchangeable lens units define the light distributions – also with zoom spotlights and contour spotlights. With only one light point and an almost invisible beam path, the new Darklight lenses have a characteristic appearance. The wide diversity of the system can be further refined with accessories: four conversion filters generate 24 additional spectra from six LED light colours, and tunable white and RGBW are available for dynamic scenes. With three sizes from XS to M and adapters for the Minirail 48V track featuring a width of just 22mm, Eclipse 48V shines wherever high quality light is required from particularly compact luminaires, and with maximum connectivity: with wireless standards such as Casambi Bluetooth or Zigbee as well as DALI via a radio gateway.

Related ranges

Eclipse InTrack
for track 220–240V
Page 142

Eclipse
for track 220–240V
Page 150
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lenses
   - Made of optical polymer
   - Darklight lenses: narrow spot, spot, flood, wide flood or extra wide flood
   - Spherolit lenses: oval flood, oval wide flood or wallwash
   - Zoom lenses: zoom spot and zoom oval; continuously focusable
   - Projection lenses: framing; continuously focusable

2 Lens unit
   - Rotatable through 360°
   - Polymer, white or black
   - Contour spotlights with framing attachment

3 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K), tunable white (2700-8000K) or RGBW
   - Collimating lens made of optical polymer

4 Housing and bracket
   - White (RAL9002), black or silver
   - Die cast zinc or cast aluminium, powder-coated
   - Pivotable 0°–270°
   - Bracket: cast aluminium/polymer; rotatable through 360° on adapter

5 Control gear
   - Switchable, On-board Dim, Casambi Bluetooth or Zigbee
   - On-board Dim version; rotary control for control of brightness on the luminaire

6 ERCO Minirail adapter
   Variants on request
   - Housing: 10,000 further colours
   Please contact your ERCO consultant.

Design and application:
www.erco.com/eclipse-48V
Darklight lens
The Darklight lens not only creates a magical impression with just one light point. It also features precise, uniform light distributions, wide flexibility in the selection of beam characteristics and state of the art efficiency.

Contour spotlight
Framing attachments enable a sharply defined light beam. In this way fascinating effects can be created with contour spotlights, where crisply illuminated pictures appear to illuminate from within.

Zoom spotlight
The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (65°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.

Coloured light
Using coloured light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate coloured light very efficiently and flexibly.

Tunable white technology
Just as the colour temperature outdoors changes continuously during the day, the colour temperature of indirect lighting can be adjusted indoors to e.g. support lighting concepts for Human Centric Lighting.

**Special characteristics**
- Efficient darklight technology
- Contour spotlight
- Zoom spotlight
- Coloured light
- Tunable white

**ERCO high-power LEDs**
- Optical cut-off 40°/50°/60°
- Different light distributions
- Oval flood, freely rotatable
- Different light colours

**Excellent thermal management**
- EMC-optimised
- Various housing colours
- Various construction sizes
- Pivotable through 270°
- Accessory for maximum visual comfort

**Switchable**
- On-board Dim
- ERCO Wireless DALI Connect
- Casambi Bluetooth
- Zigbee
Eclipse 48V for Minirail track

**Size**

<table>
<thead>
<tr>
<th>Size</th>
<th>XS</th>
<th>Ø 32mm</th>
<th>S</th>
<th>Ø 60mm</th>
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<tr>
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<td>2.1W/266lm</td>
<td>3.2W/374lm (Narrow spot)</td>
<td>8.2W/1064lm</td>
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<tr>
<td></td>
<td>3.2W/374lm</td>
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<td>12.7W/1496lm</td>
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</table>

**Light colour**

<table>
<thead>
<tr>
<th></th>
<th>2700K CRI 92</th>
<th>3500K CRI 92</th>
<th>7000K CRI 82</th>
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<tr>
<td>3000K CRI 92</td>
<td>4000K CRI 82</td>
<td>3000K CRI 97</td>
<td>4000K CRI 92</td>
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**Light distribution**

<table>
<thead>
<tr>
<th>Spotlights</th>
<th>Floodlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spot</td>
<td>Extra wide flood</td>
</tr>
<tr>
<td>Narrow spot</td>
<td>Wide flood</td>
</tr>
<tr>
<td>Flood</td>
<td>Oval flood</td>
</tr>
<tr>
<td>Zoom spot</td>
<td>Oval wide flood</td>
</tr>
<tr>
<td>Zoom spot</td>
<td>Lens wallwashers</td>
</tr>
<tr>
<td>Zoom oval</td>
<td>Wallwash</td>
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**Control**

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<tr>
<th>Switchable</th>
<th>On-board Dim</th>
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<th>Zigbee</th>
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<tr>
<td></td>
<td></td>
<td>+ DALI via Gateway</td>
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**Colour (housing)**

<table>
<thead>
<tr>
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**Accessory**

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<thead>
<tr>
<th>Lenses</th>
<th>Honeycomb louvre</th>
<th>Add-on Control Units</th>
<th>Filter</th>
<th>Snot</th>
<th>DALI Gateway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lens Units</td>
<td>Barn doors</td>
<td>Intrack Adapter 230V</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Spotlights**
- Spot
- Flood
- Zoom spotlights
- Zoom spot
- Zoom oval
- Contour spotlights
- Framing

**Floodlights**
- Wide flood
- Extra wide flood
- Oval flood
- Oval wide flood
- Lens wallwashers
- Wallwash

**Available on request Article numbers and planning data:**
[www.erco.com/019322](http://www.erco.com/019322)

**Design and application:**

**10W/1148lm**
- Tunable white

**10W/750lm**
- RGBW

**RGBW**
- Casambi Bluetooth
- Casambi Bluetooth + DALI via Gateway
- Zigbee

**White**
- Silver

**Black**
- 10,000 colours

* available on request
**Eclipse 48V for Minirail track**

### Size

![Size Diagram]

- **Diameter**: 92mm

### LED module

**Maximum value at 4000K CRI 82**

<table>
<thead>
<tr>
<th>Wattage</th>
<th>Lumen</th>
</tr>
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<tbody>
<tr>
<td>14.4W/1862lm</td>
<td>4.3W/472lm (Narrow spot)</td>
</tr>
<tr>
<td>22.2W/2618lm</td>
<td></td>
</tr>
</tbody>
</table>

### Light colour

- **2700K CRI 92**
- **3000K CRI 97**
- **3000K CRI 92**
- **3500K CRI 92**
- **4000K CRI 82**
- **4000K CRI 92**

### Light distribution

- **Spotlights**
  - Narrow spot
  - Spot
  - Flood
  - Zoom spotlights
  - Zoom spot
  - Zoom oval
- **Floodlights**
  - Wide flood
  - Extra wide flood
  - Oval flood
  - Oval wide flood
  - Lens wallwashers
  - Wallwash
  - Framing

### Control

- **Switchable**
- **On-board Dim**
- **Casambi Bluetooth + DALI via Gateway**
- **Zigbee**

### Colour (housing)

- **White**
- **Silver**
- **Black**
- **10,000 colours** *

### Accessory

- **Lenses**
- **Honeycomb louvre**
- **Add-on Control Units**
- **Filter**
- **Snoot**
- **DALI Gateway**
- **Lens Units**
- **Barn doors**
- **Intrack Adapter 230V**
### Spotlights and Floodlights

<table>
<thead>
<tr>
<th>Spotlights</th>
<th>Floodlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spot</td>
<td>Wide flood</td>
</tr>
<tr>
<td>Flood</td>
<td>Extra wide flood</td>
</tr>
<tr>
<td>Zoom spotlights</td>
<td>Oval flood</td>
</tr>
<tr>
<td>Zoom spot</td>
<td>Oval wide flood</td>
</tr>
<tr>
<td>Zoom oval</td>
<td>Lens wallwashers</td>
</tr>
<tr>
<td>Contour spotlights</td>
<td>Wallwash</td>
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<tr>
<td>Framing</td>
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* available on request

### Colours

<table>
<thead>
<tr>
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<th>Type</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>Silver</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td>10,000 colours</td>
</tr>
</tbody>
</table>

* available on request

### Additional Features

- **Casambi Bluetooth**
- **DALI via Gateway**
- **Zigbee**

---

* available on request

**Article numbers and planning data:**

www.erco.com/019322

Design and application:

www.erco.com/eclipse-48V
Eclipse InTrack – The art of illuminating

One spotlight system and 28,000 possibilities: with interchangeable darklight lenses and ultra-slim adapters

Illuminating art in museums and galleries as well as exclusive retail projects requires high-end lighting tools. Eclipse offers innovative technology, maximum visual comfort and a system spectrum that creates unparalleled scope for individual lighting solutions. Interchangeable lens units define the light distributions – also with zoom spotlights and contour spotlights. With only one light point and an almost invisible beam path, the new Darklight lenses have a characteristic appearance. The wide diversity of the system can be further refined with accessories: four conversion filters generate 24 additional spectra from six LED light colours, and tunable white and RGBW are available for dynamic scenes. Eclipse is available in five sizes from XS to XL for applications of all sizes – ranging from compact display cases to halls and atria. The connectivity is just as versatile: for example with flexible Multi Dim electronics for DALI, Push Dim and phase dimming or with modules for wireless standards such as Casambi Bluetooth and Zigbee.

Related ranges

Eclipse 48V
for Minirail track
Page 134

Eclipse
for track
220–240V
Page 150
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lenses
- Made of optical polymer
- Darklight lenses: narrow spot, spot, flood, wide flood or extra wide flood
- Spherolit lenses: oval flood, oval wide flood or wallwash
- Zoom lenses: zoom spot and zoom oval; continuously focusable
- Projection lenses: framing; continuously focusable

2 Lens unit
- Rotatable through 360°
- Polymer, white or black
- Contour spotlights with framing attachment

3 ERCO LED-module
- High-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K), tunable white (2700-8000K) or RGBW
- Collimating lens made of optical polymer

4 Housing and bracket
- White (RAL9002), black or silver
- Die cast zinc or cast aluminium, powder-coated
- Pivotable 0°-270°
- Bracket: cast aluminium/polymer; rotatable through 360° on adapter

5 Control gear
- Switchable, On-board Dim, Multi Dim, Multi Dim+On-board Dim, Casambi Bluetooth or Zigbee
- Multi Dim version: DALI dimmable, Push Dim or dimming with external dimmers (leading edge-/trailing edge-/ universal dimmer) possible
- On-board Dim version: rotary control for control of brightness on the luminaire

6 ERCO Intrack adapter
Variants on request
- Housing: 10,000 further colours
  Please contact your ERCO consultant.

Design and application:
www.erco.com/eclipse-intrack
**Contour spotlights**
Framing attachments enable a sharply defined light beam. In this way fascinating effects can be created with contour spotlights, where crisply illuminated pictures appear to illuminate from within.

**Darklight lens**
The Darklight lens not only creates a magical impression with just one light point. It also features precise, uniform light distributions, wide flexibility in the selection of beam characteristics and state of the art efficiency.

**Zoom spotlights**
The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (65°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.

**Coloured light**
Using coloured light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate coloured light very efficiently and flexibly.

**Tunable white technology**
Just as the colour temperature outdoors changes continuously during the day, the colour temperature of indirect lighting can be adjusted indoors to e.g. support lighting concepts for Human Centric Lighting.

**Special characteristics**
- Efficient darklight technology
- Contour spotlight
- Zoom spotlight
- Coloured light
- Tunable white

**ERCO high-power LEDs**
- Optical cut-off 40°/50°/60°

**Excellent thermal management**
- EMC-optimised

**Switchable**
- On-board Dim
- Multi Dim
- Multi Dim + On-board Dim

**Different light distributions**
- Various housing colours

**Various construction sizes**
- Pivotable through 270°

**Accessory for maximum visual comfort**
- Casambi Bluetooth
- Zigbee
**Eclipse InTrack** for track 220–240V

### Size

<table>
<thead>
<tr>
<th></th>
<th>XS</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø</td>
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<td>60mm</td>
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### LED module

Maximum value at 4000K CRI 92

<table>
<thead>
<tr>
<th></th>
<th>2.1W/266lm</th>
<th>3.2W/374lm (Narrow spot)</th>
<th>8.2W/1064lm</th>
<th>12.7W/1496lm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3.2W/374lm</td>
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### Light colour

<table>
<thead>
<tr>
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<th>2700K CRI 92</th>
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<th>3000K CRI 92</th>
<th>4000K CRI 82</th>
<th>3000K CRI 97</th>
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<tbody>
<tr>
<td>2700K CRI 92</td>
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<td>4000K CRI 82</td>
<td>3000K CRI 97</td>
<td>4000K CRI 92</td>
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### Light distribution

Spotlights & Floodlights

- Narrow spot
- Wide flood
- Spot
- Extra wide flood
- Flood
- Oval flood
- Zoom spotlights
- Oval wide flood
- Zoom spot
- Lens wallwashers
- Zoom oval
- Wallwash

### Control

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<td>Multi Dim +</td>
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<tr>
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<td>MULTI</td>
<td>On-board Dim</td>
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<tr>
<td></td>
<td>MULTI</td>
<td>DALI dimmable</td>
</tr>
<tr>
<td></td>
<td>MUST</td>
<td>Push Dim</td>
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<tr>
<td></td>
<td>MUST</td>
<td>Phase dimmable</td>
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<tr>
<td></td>
<td>MULTI</td>
<td>Dimmable via rotation control</td>
</tr>
<tr>
<td></td>
<td>Casambi Bluetooth + DALI via Gateway</td>
<td>Zigbee</td>
</tr>
<tr>
<td></td>
<td>Casambi Bluetooth + DALI via Gateway</td>
<td>Zigbee</td>
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### Colour (housing)

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<tbody>
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<td>Silver</td>
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<tr>
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<td>10,000 colours *</td>
<td>10,000 colours *</td>
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### Accessory

<table>
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<tr>
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<th>Lenses</th>
<th>Lens Units</th>
<th>Snoot</th>
<th>Add-on Control Units</th>
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<tbody>
<tr>
<td>Filter</td>
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<tr>
<td>Honeycomb louvre</td>
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<tr>
<td>Barn doors</td>
<td></td>
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<td>Gateways</td>
<td></td>
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**available on request** Article numbers and planning data: www.erco.com/018437

Design and application: www.erco.com/eclipse-intrack

- **Multi Dim** - DALI dimmable
- **Push Dim**
- **Phase dimmable**

- **Multi Dim + On-board Dim**
  - DALI dimmable
  - Push Dim
  - Phase dimmable

- **Casambi Bluetooth** + DAU via Gateway
- **Zigbee**

- **Tunable white**
- **White**
- **Silver**
- **Black**
- 10,000 colours *

**RGBW**

- **Spotlights**
  - Spot
  - Flood
  - Zoom spot
  - Zoom oval
  - Contour spotlights
  - Framing

- **Floodlights**
  - Wide flood
  - Extra wide flood
  - Oval flood
  - Oval wide flood
  - Lens wallwashers
  - Wallwash

- **Zoom spotlights**
  - Oval flood

- **Zoom oval**
  - Lens wallwashers

**10W/1148lm**

**10W/750lm**
### Eclipse InTrack for track 220–240V

#### Size
- **M**: Ø 92mm

#### LED module
- **Maximum value at 4000K CRI 82**
  - 14.4W/1862lm
  - 4,3W/472lm (Narrow spot)
  - 22.2W/2618lm
  - 20W/2296lm

#### Light colour
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- Tunable white

#### Light distribution
- **Spotlights**
  - Narrow spot
  - Spot
  - Flood
  - Zoom spot
  - Zoom oval
  - Contour spotlights
- **Floodlights**
  - Wide flood
  - Extra wide flood
  - Oval flood
  - Oval wide flood
  - Lens wallwashers
  - Wallwash
  - Framing

#### Control
- **Switchable**
- **On-board Dim**
  - Multi Dim
  - Multi Dim + On-board Dim
  - Casambi Bluetooth
  - Zigbee
- **Multi Dim** + On-board Dim
  - DALI dimmable
  - Push Dim
  - Phase dimmable
  - DALI via Gateway
  - Zigbee

#### Colour (housing)
- **White**
- **Silver**
- **Black**
- 10,000 colours *

#### Accessory
- **Lenses**
- **Lens Units**
- **Snoot**
- **Add-on Control Units**
- **Filter**
- **Honeycomb louvre**
- **Barn doors**
- **Gateways**
19.4W/1468lm

RGBW

**Spotlights**  | **Floodlights**
---|---
Spot | Wide flood
Flood | Extra wide flood
Zoom spotlights | Oval flood
Zoom spot | Oval wide flood
Zoom oval | Lens wallwashers
Contour spotlights | Wallwash
Framing

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<tr>
<th>MULTI</th>
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<td>DALI dimmable</td>
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<td>Push Dim</td>
<td>Push Dim</td>
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<tr>
<td></td>
<td>Phase dimmable</td>
<td>Phase dimmable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dimmable via rotary control</td>
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<table>
<thead>
<tr>
<th>Casambi Bluetooth</th>
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<table>
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<table>
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* available on request

Product information about Eclipse InTrack L and XL sizes are available on request.

Article numbers and planning data: www.erco.com/018437

Design and application: www.erco.com/eclipse-intrack
Eclipse – The art of illuminating

One spotlight system and 28,000 possibilities: with interchangeable darklight lenses and reliable transadapters

Illuminating art in museums and galleries as well as exclusive retail projects requires high-end lighting tools. Eclipse offers innovative technology, maximum visual comfort and a system spectrum that creates unparalleled scope for individual lighting solutions. Interchangeable lens units define the light distributions – also with zoom spotlights and contour spotlights. With only one light point and an almost invisible beam path, the new Darklight lenses have a characteristic appearance. The wide diversity of the system can be further refined with accessories: four conversion filters for example create 24 additional spectra from six LED light colours. With three sizes from XS to M and the reliable transadapter, Eclipse blends seamlessly into existing track systems. The connectivity is just as adaptable: for example with DALI or phase dimmable with On-board Dim.

Related ranges

- **Eclipse 48V**
  - for Minirail track
  - Page 134

- **Eclipse InTrack**
  - for track
  - 220–240V
  - Page 142
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lenses
- Made of optical polymer
- Darklight lenses: narrow spot, spot, flood, wide flood or extra wide flood
- Spherolit lenses: oval flood, oval wide flood or wallwash
- Zoom lenses: zoom spot and zoom oval; continuously focusable
- Projection lenses: framing; continuously focusable

2 Lens unit
- Rotatable through 360°
- Polymer, white or black
- Contour spotlights with framing attachment

3 ERCO LED-module
- High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
- Collimating lens made of optical polymer

4 Housing and bracket
- White (RAL9002), black or silver
- Die cast zinc or cast aluminium, powder-coated
- Pivotable 0°–270°
- Bracket: cast aluminium/polymer; rotatable through 360° on adapter

5 Control gear
- Switchable, phase dimmable+On-board Dim or DALI dimmable
- Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

6 ERCO transadapter or ERCO DALI transadapter
Variants on request
- Housing: 10,000 further colours
Please contact your ERCO consultant.
**Contour spotlights**

Framing attachments enable a sharply defined light beam. In this way fascinating effects can be created with contour spotlights, where crisply illuminated pictures appear to illuminate from within.

**Darklight lens**

The Darklight lens not only creates a magical impression with just one light point. It also features precise, uniform light distributions, wide flexibility in the selection of beam characteristics and state of the art efficiency.

**Zoom spotlights**

The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (65°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.

---

**Special characteristics**

- **Efficient darklight technology**
- **Contour spotlight**
- **Zoom spotlight**
- **ERCO high-power LEDs**
- **Optical cut-off 40°/50°/60°**
- **Excellent thermal management**
- **EMC-optimised**
- **Different light distributions**
- **Various housing colours**
- **Oval flood, freely rotatable**
- **Various construction sizes**
- **Different light colours**
- **Pivotal through 270°**
- **Accessory for maximum visual comfort**

---

**Switchable**

- **Phase dimmable + On-board Dim**
- **DALI dimmable**

---

**Eclipse for track 220-240V**
Eclipse for track 220–240V

**Size**

![XS](32mm)  
![S](60mm)

**LED module**  
Maximum value at 4000K CRI 82

<table>
<thead>
<tr>
<th>Size</th>
<th>Value</th>
<th>Value</th>
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<tbody>
<tr>
<td>XS</td>
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</table>

**Light colour**

- 2700K CRI 92  
- 3000K CRI 92  
- 3000K CRI 97

<table>
<thead>
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<td>4000K CRI 82</td>
</tr>
<tr>
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</table>

**Light distribution**

- Spotlights  
- Floodlights  
- Narrow spot  
- Wide flood  
- Spot  
- Extra wide flood  
- Flood  
- Oval flood  
- Zoom spotlights  
- Lens wallwashers  
- Zoom spot  
- Wallwash  
- Zoom oval  
- Wallwash  
- Contour spotlights  
- Framing

**Control**  
Switchable  
DALI  
Phase dimmable + On-board Dim  
Phase dimmable + On-board Dim

**Colour (housing)**

- White  
- Silver  
- Black  
- 10,000 colours *

**Accessory**

- Lenses  
- Lens Units  
- Snoot  
- Filter  
- Honeycomb louvre  
- Barn doors
Available on request Article numbers and planning data:

www.erco.com/019323

Design and application:

www.erco.com/eclipse-t

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<thead>
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<table>
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<th>Colour Temperature</th>
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<td>Wide flood</td>
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<tr>
<td>Spot</td>
<td>Extra wide flood</td>
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<td>Flood</td>
<td>Oval flood</td>
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<td>Zoom spotlights</td>
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<td>Zoom oval</td>
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<td>Contour spotlights</td>
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<table>
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<th>Silver</th>
<th>Black</th>
<th>10,000 colours *</th>
</tr>
</thead>
</table>

* available on request
Oseris – The pivotal feature

Compact, versatile spotlights with characteristic semi-spherical joint
Oseris is a brilliant concept designed to enrich the world of digital lighting – the swivel joint is bevelled flush against the semi-spherical light head for a slick design. As well as enhancing the aesthetic appeal of the lighting tool, the idea behind this feature is to facilitate precise alignment – and to provide real value added in tight spaces such as ceiling channels. Oseris spotlights feature Spherolit lenses that enable a wide range of light distribution patterns, and in various sizes and wattages achieve a variety of lumen packages to allow for differentiated lighting concepts with maximum freedom in design. The control gear is housed in the ERCO trans-adapter. Snoots are available as accessories for any situation requiring optimum glare control. This makes Oseris an exceptionally versatile lighting tool that lends itself for use in shops and museums as well as high-end residences: compact, precise and efficient – Oseris evokes character and charm with striking features that add to the already impressive diversity of spotlight designs in the ERCO range.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Sphorlitz lens
- Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
- Oval flood 360° rotation

2 ERCO LED-module
- High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
- Collimating lens made of optical polymer

3 Housing and bracket
- White (RAL9002), black or silver
- Cast aluminium, powder-coated
- 0°-90° tilt
- Bracket on transadapter rotatable through 360°
- Internal wiring

4 Control gear
- Switchable, phase dimmable + On-board Dim, DALI dimmable or Casambi Bluetooth
- Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

5 ERCO transadapter or ERCO DALI transadapter

Variants on request
- Housing: 10,000 further colours
- Ceiling channel system

Please contact your ERCO consultant.

Design and application:
www.erco.com/oseris
Oval flood freely rotatable
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

Zoom spotlights
The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (65°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.

Ideal for ceiling channels
The compact design and central pivot point predestine some luminaires for installation in ceiling channels.

Special characteristics
- Oval flood, freely rotatable
- Zoom spotlight
- Small luminaire dimensions
- Ideal for ceiling channels
- ERCO high-power LEDs
- Efficient Spherolit technology
- Different light distributions
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various housing colours
- Various construction sizes
- Pivotable through 90°
- Accessory for maximum visual comfort
- Switchable
- Phase dimmable + On-board Dim
- DALI dimmable
- Casambi Bluetooth

Oseris for track 220-240V
**Oseris** for track 220–240V

**Construction size**

<table>
<thead>
<tr>
<th>Ø 73mm</th>
<th>Ø 116mm</th>
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<tbody>
<tr>
<td>6W/825lm</td>
<td>12W/1650lm</td>
</tr>
<tr>
<td>10W/1230lm</td>
<td>19W/2460lm</td>
</tr>
<tr>
<td>LED module</td>
<td></td>
</tr>
</tbody>
</table>

**Light distribution**

- **Spotlights:**
  - Narrow spot
  - Spot
  - Flood
  - Zoom spotlights
  - Zoom spot
  - Zoom oval

- **Floodlights:**
  - Wide flood
  - Extra wide flood
  - Oval flood
  - Lens wallwashers
  - Wallwash
  - Zoom oval

**Control**

- Switchable
- DALI
- Phase dimmable + On-board Dim
- Casambi Bluetooth

**Light colour**

- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 4000K CRI 82
- 4000K CRI 92

**Colour (housing)**

- White
- Silver
- Black
- 10,000 colours *

**Accessories**

- Lenses
- Cross-baffle
- Snoots
- Honeycomb anti-glare screen

**LED module**

Maximum value at 4000K CRI 82

- 12W/1650lm (Narrow spot)
- 19W/2460lm (Narrow spot)
- 6W/820lm (Narrow spot)

* available on request
Parscan – Systematic diversity

The elegant and universal spotlight system for museums and shops

Light, not luminaires – this is the foundation on which the sleek, cylindrical shape of Parscan is modelled. Different lighting solutions can be implemented efficiently thanks to precise and flexible photometrics. If the spotlight is directed vertically downwards as a downlight, the support bracket merges into the cylindrical shape. With its black housing, compact shape and a luminaire head that barely swivels out when rotated or tilted, the Parscan is also ideal for mounting in ceiling channels. The excellent glare control enhances visual comfort even in challenging lighting situations. Displaying a minimalist design, the luminaire appears unobtrusive in museums, shops or places of worship.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
- Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
- Oval flood 360° rotation
  or
  Attachment (zoom spotlight)
  - Zoom lens, continuously focusable
  - Light distributions: zoom spot, zoom oval
  - Zoom oval 360° rotation

2 ERCO LED-module
- High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
- Collimating lens made of optical polymer

3 Housing and bracket
- White (RAL9002), black or silver
- Cast aluminium, powder-coated
- 0°-90° tilt
- Bracket on adapter rotatable through 360°

4 Control gear
- Switchable, phase dimmable + On-board Dim, DALI dimmable or Casambi Bluetooth
- Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

5 ERCO 3-circuit adapter or ERCO DALI adapter

Variants on request
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/parscan
Large lumen packages for very high illuminances
The attention of the viewer can be focused via contrasting accents. ERCO has high-performance luminaires with large lumen packages in its range for this purpose.

Zoom spotlights
The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (65°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.

Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

Ideal for ceiling channels
The minimalist design of Parscan is suitable for situations in which the luminaire should appear as discreet as possible - for example in museums or shops. If the luminaires are integrated into the ceiling channel they remain almost completely concealed.

Special characteristics
- Large lumen packages for very high illuminances
- Oval flood, freely rotatable
- Zoom spotlight
- Small luminaire dimensions
- Ideal for ceiling channels
- ERCO high-power LEDs
- Excellent thermal management
- Efficient Spherolit technology
- EMC-optimised
- Different light distributions
- Various housing colours
- Different light colours
- Various construction sizes
- Pivotable through 90°
- Accessory for maximum visual comfort
- Switchable
- Phase dimmable + On-board Dim
- DALI dimmable
- Casambi Bluetooth
- Parscan for track 220-240V

ERCO Program 2020 165
### Construction size

<table>
<thead>
<tr>
<th>parscan for track 220-240V</th>
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<tbody>
<tr>
<td>Ø 75mm</td>
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<td>Ø 114mm</td>
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### Accessories

- **Lenses**
- **Cross-baffle**
- **Snoothes**
- **Honeycomb anti-glare screen**

### LED module

- **Maximum value at 4000K CRI 82**

<table>
<thead>
<tr>
<th>6W/825lm</th>
<th>2W/275lm (Narrow spot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K CRI 92</td>
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<tr>
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### Light colour

<table>
<thead>
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<tbody>
<tr>
<td>2700K CRI 92</td>
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<td>3000K CRI 92</td>
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<td>3000K CRI 97</td>
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<tr>
<td>3500K CRI 92</td>
</tr>
<tr>
<td>4000K CRI 82</td>
</tr>
<tr>
<td>4000K CRI 92</td>
</tr>
</tbody>
</table>

### Light distribution

- **Spotlights**
  - Narrow spot
  - Spot
  - Flood
  - Zoom spotlights
  - Zoom spot
  - Zoom oval
- **Floodlights**
  - Wide flood
  - Extra wide flood
  - Oval flood
  - Lens wallwashers
  - Wallwash
  - Zoom wallwashers

### Control

- **Switchable**
- **DALI**
- **Phase dimmable + On-board Dim**
- **Casambi Bluetooth**

### Colour (housing)

- **White**
- **Silver**
- **Black**
- **10,000 colours *"**
Artikelnummern und Planungsinformationen:
www.erco.com/012323

Design und Anwendung:
www.erco.com/parscan

* verfügbar auf Anfrage

Spotschienen und Blitze:
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 4000K CRI 82
- 3000K CRI 97
- 4000K CRI 92

LENS WALLWASHERS

Wandleuchten

Weiß Silber

Schwarz 10.000 Farben *

24W/3300lm 8W/1100lm (Narrow spot)

48W/6600lm 18W/2475lm (Narrow spot)

Switchable DALI

Phase dimmable +

On-board Dim Casambi Bluetooth

White Silver

Black 10.000 Farben *

ERCO Program 2020
Pollux – For magic moments

Pollux, the compact spotlight for versatile use

The versatility of Pollux, underwritten by its compact format, displays particular strengths in museums, shops, the catering industry or residential environments. As a special highlight, Pollux also includes contour spotlights with LED. Using the framing attachment, their sharp-edged beam can be adjusted to suit the format of images and objects in the room or on the wall. This creates wonderful effects that are particularly valuable in museums and galleries. Its understated design means that Pollux is also excellent in combination with other spotlight series or as a gradual addition to existing lighting systems.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO SpheroLite lens
- Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
- Oval flood 360° rotation
  or
  Attachment (zoom spotlight)
  - Zoom lens, continuously focusable
  - Light distributions: zoom spot, zoom oval
  - Zoom oval 360° rotation
  or
  Attachment (contour spotlight)
  - Rotatable through 360°
  - Framing attachment: polymer, black
  - Fresnel lens
  - Holder with projection lens, continuously focusable

2 ERCO LED-module
- High-power LEDs: warm white (2700K or 3000K) or neutral white (4000K)
- Collimating lens made of optical polymer

3 Housing and bracket
- White (RAL9002), black or silver
- Cast aluminium, powder-coated
- 0°-90° tilt
- Bracket on transadapter rotatable through 360°
- Internal wiring

4 Control gear
- Switchable, phase dimmable+On-board Dim, DALI dimmable or Casambi Bluetooth
- Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

5 ERCO transadapter or ERCO DALI transadapter
Variants on request
- Housing: 10,000 further colours
- Ceiling channel system
Please contact your ERCO consultant.
Oval flood freely rotatable
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

Zoom spotlights
The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (65°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.

Contour spotlights
Framing attachments enable a sharply defined light beam. In this way fascinating effects can be created with contour spotlights, where crisply illuminated pictures appear to illuminate from within.

Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

Very good price performance ratio
The entry-level products offer an attractive price/performance ratio for lighting design tasks especially oriented towards cost-effectiveness. The luminaires of course meet high levels of energy efficiency and the basic requirements for visual comfort.

Special characteristics
- Oval flood, freely rotatable
- Contour spotlight
- Zoom spotlight
- Small luminaire dimensions
- Very good price performance ratio
- ERCO high-power LEDs
- Excellent thermal management
- Phase dimmable + On-board Dim
- EMC-optimised
- DALI dimmable
- Various housing colours
- Casambi Bluetooth
- Different light distributions
- Pivotable through 90°
- Accessory for maximum visual comfort
- Different light colours
- Pivotable through 90°
Pollux for track 220–240V

**Construction size**
- Ø 66mm

**LED module**
- Maximum value at 4000K CRI 82
- 6W/825lm
- 2W/275lm (Narrow spot)
- 10W/1230lm
- 3W/410lm (Narrow spot)

**Light colour**
- 2700K CRI 92
- 3500K CRI 92
- 3000K CRI 92
- 4000K CRI 82
- 3000K CRI 97
- 4000K CRI 92

**Light distribution**
- Spotlights
  - Narrow spot
  - Spot
  - Flood
  - Zoom spotlights
  - Zoom spot
  - Zoom oval
- Floodlights
  - Wide flood
  - Extra wide flood
  - Oval flood
  - Lens wallwashers
  - Wallwash
- Contour spotlights
  - Framing

**Control**
- Switchable
- DALI
- Phase dimmable + On-board Dim
- Casambi Bluetooth

**Colour (housing)**
- White
- Silver
- Black
- 10,000 colours *

**Accessories**
- Lenses
- Cross-baffle
- Snoots
- Honeycomb anti-glare screen
Galleria Arte Moderna, Milan.
Photography: Moritz Hillebrand, Zurich.

* available on request
Optec – The all-round talent

Optec – the spotlight for any purpose

Anything is possible with Optec. In versions with different light distributions, Optec covers the full bandwidth of lighting requirements in shops, galleries and museums – high-contrast accent lighting, floodlighting of exhibits, uniform illumination of walls, or sharp-edged beams for striking effects. With innovative photometrics, Optec combines efficiency with visual comfort.

To ensure excellent heat management and flawless performance, ERCO has separated the light head and control gear, whilst, at the same time, the combination of cuboid and cylinder creates the visual impression of less volume and a classic design.

Related ranges

Optec Basic
for track
220-240V
Page 182
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
- Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
- Oval flood 360° rotation
  or
  Attachment (zoom spotlight)
  - Zoom lens, continuously focusable
  - Light distributions: zoom spot, zoom oval
  - Zoom oval 360° rotation
  or
  Attachment (contour spotlight)
  - Rotatable through 360°
  - Framing attachment
  - Holder with projection lens, continuously focusable

2 ERCO LED-module
- High-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K) or RGBW
- Collimating lens made of optical polymer
- RGBW with highly reflective colour mixer

3 Cylindrical light head
- White (RAL9002), black or silver
- Cast aluminium, powder-coated
- 270° tilt

4 Housing
- White (RAL9002), black or silver
- Polymer
- Rotatable through 360° on adapter

5 Control gear
- Switchable, phase dimmable + On-board Dim, DALI dimmable or Casambi Bluetooth
- Phase dimmable + On-board Dim (version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

6 ERCO 3-circuit adapter or ERCO DALI adapter
Variants on request
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/optec
**Oval flood freely rotatable**
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

**Contour spotlights**
Framing attachments enable a sharply defined light beam. In this way fascinating effects can be created with contour spotlights, where crisply illuminated pictures appear to illuminate from within.

**Zoom spotlights**
The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (65°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.

**Coloured light**
Using coloured light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate coloured light very efficiently and flexibly.

**Very good price performance ratio**
The entry-level products offer an attractive price/performance ratio for lighting design tasks especially oriented towards cost-effectiveness. The luminaires of course meet high levels of energy efficiency and the basic requirements for visual comfort.

---

**Special characteristics**

<table>
<thead>
<tr>
<th>Oval flood, freely rotatable</th>
<th>Efficient Spherolit technology</th>
<th>Excellent thermal management</th>
<th>Switchable</th>
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</thead>
<tbody>
<tr>
<td>Contour spotlight</td>
<td>Different light distributions</td>
<td>EMC-optimised</td>
<td>Phase dimmable + On-board Dim</td>
</tr>
<tr>
<td>Zoom spotlight</td>
<td>Different light colours</td>
<td>Various housing colours</td>
<td>DALI dimmable</td>
</tr>
<tr>
<td>Coloured light</td>
<td></td>
<td>Various construction sizes</td>
<td>Casambi Bluetooth</td>
</tr>
<tr>
<td>Very good price performance ratio</td>
<td></td>
<td>Pivotable through 270°</td>
<td>Accessory for maximum visual comfort</td>
</tr>
</tbody>
</table>
**Optec for track 220-240V**

### Construction size

- Ø 70mm
- Ø 105mm

### LED module

**Maximum value at 4000K CRI 82**

<table>
<thead>
<tr>
<th>Power</th>
<th>Lumen</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>6W/825lm</td>
<td>2W/275lm</td>
<td>(Narrow spot)</td>
</tr>
<tr>
<td>10W/1230lm</td>
<td>3W/410lm</td>
<td>(Narrow spot)</td>
</tr>
<tr>
<td>12W/1650lm</td>
<td>6W/820lm</td>
<td>(Narrow spot)</td>
</tr>
<tr>
<td>19W/2460lm</td>
<td>3W/410lm</td>
<td>(Narrow spot)</td>
</tr>
</tbody>
</table>

### Light colour

- 2700K CRI 92
- 3500K CRI 92
- 3000K CRI 92
- 4000K CRI 82
- 3000K CRI 97
- 4000K CRI 92

### Light distribution

- Spotlights: Narrow spot, Spot, Flood, Zoom spotlights, Zoom spot, Zoom oval
- Floodlights: Wide flood, Extra wide flood, Oval flood, Lens wallwashers, Wallwash, Zoom oval

### Control

- Switchable: On-board Dim, DALI, Phase dimmable
- Casambi Bluetooth

### Colour (housing)

- White, Silver, Black
- 10,000 colours *

### Accessories

- Lenses, Cross-baffle
- Snoot, Honeycomb, anti-glare screen
24W/3300lm 8W/1100lm (Narrow spot)
38W/4920lm 13W/1640lm (Narrow spot)

Spotlights Floodlights

- Narrow spot
- Spot
- Flood
- Lens wallwashers
- Wallwash

2700K CRI 92
3000K CRI 92
3000K CRI 97
3500K CRI 92
4000K CRI 82
4000K CRI 92

Switchable DALI
Phase dimmable + On-board Dim Casambi Bluetooth

RGBW

White Silver
Black 10,000 colours *
White Silver
Black 10,000 colours *

* available on request
Optec for track 220-240V

**Construction size**

<table>
<thead>
<tr>
<th>Ø 70mm</th>
<th>Ø 128mm</th>
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</thead>
<tbody>
<tr>
<td>70mm</td>
<td>128mm</td>
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**LED module**

Maximum value at 4000K CRI 82

<table>
<thead>
<tr>
<th>6W/825lm</th>
<th>10W/1230lm</th>
</tr>
</thead>
<tbody>
<tr>
<td>18W/2475lm</td>
<td>28W/3690lm</td>
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</table>

**Light colour**

<table>
<thead>
<tr>
<th>2700K CRI 92</th>
<th>3500K CRI 92</th>
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<tbody>
<tr>
<td>3000K CRI 92</td>
<td>4000K CRI 82</td>
</tr>
<tr>
<td>3000K CRI 97</td>
<td>4000K CRI 92</td>
</tr>
</tbody>
</table>

**Light distribution**

- Contour spotlights
- Framing

**Control**

- Switchable
- DALI
- Phase dimmable + On-board Dim
- Casambi Bluetooth

**Colour (housing)**

- White
- Silver
- Black 10,000 colours *
Optec Basic – The all-round talent

Optec – the spotlight for any purpose

Everything is possible with Optec Basic. With different light distributions, Optec Basic covers all requirements for illuminating merchandise and exhibits: from high-contrast accentuation to flooding exhibits. The innovative photometrics of Optec Basic combine efficiency with visual comfort. ERCO has separated the luminaire head and control unit to achieve outstanding thermal management and high efficiency levels. The combination of cube and cylinder gives the visual impression of small size and a classic design.

Related ranges

Optec
for track
220–240V
Page 174
**Structure and characteristics**

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO Spheronit lens**
   - Light distributions: spot, flood, wide flood, oval flood or wallwash
   - Oval flood 360° rotation

2. **ERCO LED-module**
   - Chip-on-board LED: warm white (2700K or 3000K), neutral white (3500K or 4000K) or Fashion (3000K)
   - Collimating lens made of optical polymer

3. **Cylindrical light head**
   - White (RAL9002), black or silver
   - Cast aluminium, powder-coated
   - 270° tilt

4. **Housing**
   - White (RAL9002), black or silver
   - Polymer
   - Rotatable through 360° on adapter

5. **Control gear**
   - Switchable or DALI dimmable

6. **ERCO 3-circuit adapter or ERCO DALI adapter**

Variants on request
- Housing: 10,000 further colours
Please contact your ERCO consultant.

**Design and application:**
www.erco.com/optec-basic
Oval flood freely rotatable
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

Very good price performance ratio
The entry-level products offer an attractive price/performance ratio for lighting design tasks especially oriented towards cost-effectiveness. The luminaires of course meet high levels of energy efficiency and the basic requirements for visual comfort.

Special characteristics
- Oval flood, freely rotatable
- Very good price performance ratio
- ERCO chip-on-Board LED
- Efficient Spherolit technology
- Excellent thermal management
- EMC-optimised
- Switchable
- DALI dimmable
- Different light distributions
- Various housing colours
- Different light colours
- Various construction sizes
- Pivotable through 270°
- Accessory for maximum visual comfort

Optec Basic for track 220-240V
**Optec Basic** for track 220-240V

**Construction size**
- Ø 70mm
- Ø 105mm

**LED module**
- Maximum value at 4000K CRI 82
- 10W/1635lm
- 21W/3270lm

**Light colour**
- 2700K CRI 82
- 2700K CRI 92
- 3000K CRI 82
- 3000K CRI 92
- 4000K CRI 82
- 4000K CRI 92
- 4000K Ra 92
- Fashion

**Light distribution**
- Spotlights
  - Spot
  - Flood
  - Lens wallwashers
- Floodlights
  - Wide flood
  - Oval flood
  - Wallwash

**Control**
- Switchable
- DALI

**Colour (housing)**
- White
- Silver
- Black
- 10,000 colours *

**Accessories**
- Lenses
- Cross-baffle
- Snoot
- Honeycomb anti-glare screen

**Optec Basic** for track 220-240V

186 ERCO Program 2020
Switchable DALI 130mm

- 2700K CRI 82
- 2700K CRI 92
- 3000K CRI 82
- 3000K CRI 92

<table>
<thead>
<tr>
<th>Spotlights</th>
<th>Floodlights</th>
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<tbody>
<tr>
<td>Spot</td>
<td>Wide flood</td>
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<tr>
<td>Flood</td>
<td>Oval flood</td>
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<tr>
<td></td>
<td>Lens wallwashers</td>
</tr>
<tr>
<td></td>
<td>Wallwash</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Switchable</th>
<th>DALI</th>
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</table>

<table>
<thead>
<tr>
<th>Colour</th>
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<tbody>
<tr>
<td>White</td>
<td>Silver</td>
</tr>
<tr>
<td>Black</td>
<td>10,000 colours *</td>
</tr>
</tbody>
</table>

* available on request

Article numbers and planning data:
www.erco.com/019308
Design and application:
www.erco.com/optee-basic
Stella – For high rooms and high demands

High-impact, efficient and precise tools for accent lighting

It’s a physical law: illuminance recedes with the square of the distance between the light source and illuminated plane. This is the reason why high-lumen output luminaires are needed for wide lighting distances and high rooms – for example when showcasing vehicles in a trade show hall, for large sculptures in a museum foyer or for uniform wallwashing in an airport. The name Stella in the ERCO product spectrum represents high-performance spotlights, floodlights and wallwashers for track mounting. The product range provides efficient replacements for existing applications using 150W metal halide lamps. The Stella family consists of two construction sizes and all light distributions within the ERCO system of luminaires generated by reliable and highly efficient Spherolit lens optics. As a result, complex lighting tasks can be flexibly and consistently resolved. The purist, technical design of the cast aluminium housing achieves ideal thermal conditions and therefore reliability and a long service life.
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spheroit lens
   - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
   - Oval flood 360° rotation

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

3 Housing and luminaire head
   - White (RAL9002), black or silver
   - Cast aluminium, powder-coated
   - Luminaire head pivotable from 0° to 90°. Screw for setting the inclination angle
   - Housing can be rotated through 360° on the adapter
   - Internal wiring

4 Control gear
   - phase dimmable+On-board Dim, DALI dimmable or Casambi Bluetooth
   - Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

5 ERCO 3-circuit adapter or ERCO DALI adapter

Variants on request
   - Housing: 10,000 further colours
   - Please contact your ERCO consultant.

Design and application:
www.erco.com/stella
Oval flood freely rotatable
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

Large lumen packages for very high illuminances
The attention of the viewer can be focused via contrasting accents. ERCO has high-performance luminaires with large lumen packages in its range for this purpose.

Special characteristics
- Large lumen packages for very high illuminances
- Oval flood, freely rotatable
- ERCO high-power LEDs
- Efficient Spherolit technology
- Different light distributions
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various housing colours
- Various construction sizes
- Pivotal through 90°
- Accessory for maximum visual comfort
- Phase dimmable + On-board Dim
- DALI dimmable
- Casambi Bluetooth

Stella for track 220–240V
**Stella** for track 220–240V

### Construction size

- **LED module**
  - Maximum value at 4000K CRI 82
  - 36/4950lm 28W/3850lm (Narrow spot)
  - 57W/7380lm 39W/4970lm (Narrow spot)

### Light distribution

- **Spotlights**
  - Narrow spot
  - Spot
  - Flood
  - Lens wallwashers
- **Floodlights**
  - Wide flood
  - Extra wide flood
  - Oval flood
  - Wallwash

### Colour (housing)

- **White**
- **Silver**
- **Black**
  - 10,000 colours *

### Accessories

- **Lenses**
- **Snoots**
- **Cross-baffle**

### Brightness

- **Light power**
  - 36/4950lm 28W/3850lm (Narrow spot)
  - 57W/7380lm 39W/4970lm (Narrow spot)
  - 74W/9585lm 76W/9840lm (Narrow spot)

### Light colour

- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

### Control

- Phase dimmable + On-board Dim
- DALI
- Casambi Bluetooth
Cathedral, Siena
Photography:
Frieder Blickle,
Hamburg.

* available on request
Light Board – An established archetype

Light Board is a strong partner for virtually any lighting task. The most characteristic feature of Light Board is its striking design. The flat housing integrates the control gear, as sophisticated thermal management ensures a long service life. Innovative photometrics and easy adjustment deliver convincing arguments for use of the Light Board even for challenging tasks in salesrooms and museums. The Light Board concept includes various lumen packages making the range ideal for accent lighting across large distances in rooms with high ceilings as well as for intensive illumination of walls. Special colour effects are achieved with the RGBW luminaire, or else you can use white light to optimise the colour temperature of the light for the illuminated object. For special room situations, Light Board can easily be combined with its recessed counterpart. Light Board as a result is a strong partner for creative lighting concepts with efficient visual comfort.

Related ranges

<table>
<thead>
<tr>
<th>Light Board</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recessed floodlights, recessed wallwashers</td>
</tr>
</tbody>
</table>

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Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
   - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
   - Oval flood adjustable through 90°

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K) or RGBW
   - Collimating lens made of optical polymer
   - RGBW with highly reflective colour mixer

3 Housing and bracket
   - White (RAL9002), black or silver
   - Cast aluminium, powder-coated
   - 0°-90° tilt
   - Bracket on adapter rotatable through 360°
   - Internal wiring
   - Front cover: polymer, black

4 Control gear
   - Switchable, phase dimmable + On-board Dim, DALI dimmable or Casambi Bluetooth
   - Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

5 ERCO 3-circuit adapter or ERCO DALI adapter

Variants on request
- Housing: 10,000 further colours
  Please contact your ERCO consultant.

Design and application:
www.erco.com/light-board
**Special characteristics**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large lumen packages for very high illuminances</td>
<td>ERCO high-power LEDs</td>
</tr>
<tr>
<td>Coloured light</td>
<td>Efficient Spherolit technology</td>
</tr>
<tr>
<td>Small luminaire dimensions</td>
<td>EMC-optimised</td>
</tr>
<tr>
<td></td>
<td>Various light distributions</td>
</tr>
<tr>
<td></td>
<td>Various housing colours</td>
</tr>
<tr>
<td></td>
<td>Excellent thermal management</td>
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<tr>
<td></td>
<td>Various construction sizes</td>
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<tr>
<td></td>
<td>Switchable</td>
</tr>
<tr>
<td></td>
<td>Phase dimmable + On-board Dim</td>
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<tr>
<td></td>
<td>DALI dimmable</td>
</tr>
<tr>
<td></td>
<td>Casambi Bluetooth</td>
</tr>
<tr>
<td></td>
<td>Pivotal through 90°</td>
</tr>
<tr>
<td></td>
<td>Accessory for maximum visual comfort</td>
</tr>
</tbody>
</table>

**Coloured light**

Using coloured light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate coloured light very efficiently and flexibly.

**Large lumen packages for very high illuminances**

The attention of the viewer can be focused via contrasting accents. ERCO has high-performance luminaires with large lumen packages in its range for this purpose.

**Small luminaire dimensions**

Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.
**Light Board** for track 220–240V

**Construction size**
- Light Board for track 220–240V
- Light distribution
  - 124mm
  - 158mm

**LED module**
- Maximum value at 4000K CRI 92
- 12W/1650lm
- 4W/550lm (Narrow spot)
- 24W/3300lm
- 12W/1650lm (Narrow spot)

**Light colour**
- 2700K CRI 92
- 3000K CRI 92
- 3500K CRI 92
- 4000K CRI 82
- 3000K CRI 97
- 4000K CRI 92
- White
- Silver
- Black
- 10,000 colours *

**Light distribution**
- Spotlights
  - Narrow spot
  - Spot
  - Flood
- Floodlights
  - Wide flood
  - Extra wide flood
  - Oval flood
  - Lens wallwashers
  - Wallwash

**Control**
- Switchable
- DALI
- Phase dimmable + On-board Dim
- Casambi Bluetooth

**Colour (housing)**
- White
- Silver
- Black
- 10,000 colours *

**Accessories**
- Lenses
- Snoots
Spotlights | Floodlights
---|---
Narrow spot | Wide flood
Spot | Extra wide flood
Flood | Oval flood
Lens wallwashers | Wallwash

Switchable | DALI
---|---
Phase dimmable + On-board Dim | Casambi Bluetooth

White | Silver
---|---
Black | 10,000 colours *

RGBW

2700K CRI 92 | 3500K CRI 92
3000K CRI 92 | 4000K CRI 82
3000K CRI 97 | 4000K CRI 92

* available on request

Article numbers and planning data:
www.erco.com/012364

Design and application:
www.erco.com/light-board
Opton – The lighting tool for shop lighting

Flexible and low-cost illumination for salesrooms

Opton is ideal for shop windows and salesrooms thanks to a particularly low height and a high luminous flux. ERCO achieves this with the intelligent positioning of control gear and luminaire head. The cast aluminium luminaire head ensures a long life thanks to sophisticated thermal management. In combination with efficient photometrics, Opton allows for highly economical and energy-efficient illumination. Variable distribution options further ensure flexible lighting solutions without compromising on the light quality. Opton – the ideal tool for shop lighting.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
   - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
   - Oval flood adjustable through 90°

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K) or RGBW
   - Collimating lens made of optical polymer
   - RGBW with highly reflective colour mixer

3 Light head
   - White (RAL9002), black or silver
   - Cast aluminium, powder-coated
   - 0°-90° tilt
   - Frame: polymer, black

4 Housing
   - White (RAL9002), black or silver
   - Polymer
   - Rotatable through 360° on adapter

5 Control gear
   - Switchable, phase dimmable + On-board Dim, DALI dimmable or Casambi Bluetooth
   - Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

6 ERCO 3-circuit adapter or ERCO DALI adapter

Variants on request
   - Housing: 10,000 further colours
   - Please contact your ERCO consultant.

Design and application:
www.erco.com/opton
**Coloured light**
Using coloured light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate coloured light very efficiently and flexibly.

---

**Large lumen packages for very high illuminances**
The attention of the viewer can be focused via contrasting accents. ERCO has high-performance luminaires with large lumen packages in its range for this purpose.

---

**Small luminaire dimensions**
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

---

**Very good price performance ratio**
The entry-level products offer an attractive price/performance ratio for lighting design tasks especially oriented towards cost-effectiveness. The luminaires of course meet high levels of energy efficiency and the basic requirements for visual comfort.

---

**Special characteristics**

- Large lumen packages for very high illuminances
- Coloured light
- Small luminaire dimensions
- Very good price performance ratio

**ERCO high-power LEDs**

- Efficient Spherolit technology
- EMC-optimised
- Various housing colours
- Various construction sizes
- Pivotal through 90°

**Switchable**

- Phase dimmable + On-board Dim
- DALI dimmable
- Casambi Bluetooth

**Accessory for maximum visual comfort**
<table>
<thead>
<tr>
<th>Construction size</th>
<th>95mm</th>
<th>131mm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accessories</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Light colour</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Light distribution</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Control</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Colour (housing)</strong></td>
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**LED module**

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<th>2W/275lm (Narrow spot)</th>
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<tr>
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<tr>
<td></td>
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<td>3W/410lm (Narrow spot)</td>
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<tr>
<td></td>
<td>12W/1650lm</td>
<td>8W/1100lm (Narrow spot)</td>
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<tr>
<td>131mm</td>
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<tr>
<td></td>
<td>19W/2460lm</td>
<td>13W/1640lm (Narrow spot)</td>
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<table>
<thead>
<tr>
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<th>3500K CRI 92</th>
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<td></td>
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<tr>
<td>131mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3000K CRI 92</td>
<td>4000K CRI 82</td>
<td></td>
</tr>
<tr>
<td>131mm</td>
<td></td>
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<tr>
<td>3000K CRI 97</td>
<td>4000K CRI 92</td>
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<table>
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<th><strong>Light distribution</strong></th>
<th>Spotlights</th>
<th>Floodlights</th>
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<td><strong>Construction size</strong></td>
<td>Spotlights</td>
<td>Floodlights</td>
</tr>
<tr>
<td><strong>Control</strong></td>
<td>Spotlights</td>
<td>Floodlights</td>
</tr>
<tr>
<td><strong>Colour (housing)</strong></td>
<td>Spotlights</td>
<td>Floodlights</td>
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</table>

**Switchable**

<table>
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<th>DALI</th>
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</tr>
<tr>
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**Phase dimmable + On-board Dim**

<table>
<thead>
<tr>
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<th>Casambi Bluetooth</th>
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<tbody>
<tr>
<td>95mm</td>
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</tr>
<tr>
<td>131mm</td>
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</tr>
</tbody>
</table>

**Colour (housing)**

<table>
<thead>
<tr>
<th></th>
<th>White</th>
<th>Silver</th>
<th>Black</th>
</tr>
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<tbody>
<tr>
<td>95mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>131mm</td>
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</table>

**10,000 colours *\**

**Accessories**

<table>
<thead>
<tr>
<th></th>
<th>Lenses</th>
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<tbody>
<tr>
<td>95mm</td>
<td></td>
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<tr>
<td>131mm</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>Snoots</th>
</tr>
</thead>
<tbody>
<tr>
<td>95mm</td>
<td></td>
</tr>
<tr>
<td>131mm</td>
<td></td>
</tr>
</tbody>
</table>
24W/3300lm 18W/2475lm (Narrow spot)
38W/4920lm 28W/3690lm (Narrow spot)

2700K CRI 92 3500K CRI 92
3000K CRI 92 4000K CRI 82
3000K CRI 97 4000K CRI 92

Switchable DALI
Phase dimmable +
On-board Dim Casambi Bluetooth

White Silver Black 10,000 colours *

RGBW

Spotlights Floodlights
• Narrow spot Wide flood
• Spot Extra wide flood
• Flood Oval flood
• Lens wallwashers
• Wallwash

Spotlights Floodlights
• Spot Wide flood
• Flood Extra wide flood
• Lens wallwashers Oval flood
• Wallwash

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Logotec – The multi tool for lighting design

Compact luminaires for economic accent lighting, flood-lighting and wallwashing in salesrooms

Brightness contrasts direct the view of the customer in the shop and highlight the appeal of the products on offer. This is the domain of Logotec. System design is on a par with energy efficiency. Mounted flexibly on track, this spotlight efficiently accentuates clothing, jewellery or foodstuffs. Thanks to interchangeable lenses, it even masters alternative tasks just as comfortably – the floodlighting of large objects or the uniform illumination of walls or shelving.

As a characteristic aspect, the Logotec features a flat design thanks to highly efficient LED photometrics.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
   - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
   - Oval flood adjustable through 90°

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

3 Housing and bracket
   - White (RAL9002), black or silver
   - Cast aluminium, powder-coated
   - 0°-90° tilt
   - Bracket on adapter rotatable through 360°
   - Front cover: polymer, black

4 Control gear
   - Switchable, phase dimmable+On-board Dim or DALI dimmable
   - Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

5 ERCO 3-circuit adapter or ERCO DALI adapter

Variants on request
   - Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/logotec
Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

Special characteristics

- ERCO high-power LEDs
- Efficient Spherolit technology
- Different light distributions
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various housing colours
- Various construction sizes
- Pivotable through 90°
- Accessory for maximum visual comfort
- Switchable
- Phase dimmable + On-board Dim
- DALI dimmable
Logotec for track 220-240V

Construction size
Logotec for track 220-240V

LED module
Maximum value at 4000K CRI 82

Light distribution
Spotlights
- Narrow spot
- Spot
- Flood
- Lens wallwashers

Floodlights
- Wide flood
- Extra wide flood
- Oval flood
- Wallwash

Light colour

2700K CRI 92
3000K CRI 92
3000K CRI 92
3000K CRI 97

3500K CRI 92
4000K CRI 82
4000K CRI 92
4000K CRI 92

Light colour

Spotlights
- Narrow spot
- Spot
- Flood
- Lens wallwashers

Floodlights
- Wide flood
- Extra wide flood
- Oval flood
- Wallwash

Control
Switchable
Phase dimmable + On-board Dim
DALI

Colour (housing)

White
Silver
Black
10,000 colours *

Accessories

Lenses
Snoots

210 ERCO Program 2020
Starbucks Coffee House, Berlin. 
Cantax – Plain and simple

Cantax is the ideal tool for the illumination of shops, restaurants and art

Cantax produces the perfect beam – brilliant, evenly bright and with a soft edge. The technology originates from ERCO: innovative Spherolit technology, which is easily exchanged for different applications, making Cantax the ideal tool to meet the highest lighting standards in areas ranging from residential buildings and shops through to restaurants and art. The LED spotlights are just as suitable for exhibitions requiring light without damaging infrared or ultraviolet components to satisfy stringent conservational criteria.

Related ranges

Cantax
Recessed spotlights, floodlights, wallwashers
Page 294
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
   - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
   - Oval flood adjustable through 90°

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

3 Housing and bracket
   - White (RAL9002), black or silver
   - Cast aluminium, powder-coated
   - 0°-90° tilt
   - Bracket on transadapter rotatable through 360°
   - Internal wiring
   - Frame: polymer

4 Control gear
   - Switchable, phase dimmable + On-board Dim or DALI dimmable
   - Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

5 ERCO transadapter or ERCO DALI transadapter
   Variants on request
   - Housing: 10,000 further colours
   Please contact your ERCO consultant.

Design and application:
www.erco.com/cantax
**Small luminaire dimensions**
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

<table>
<thead>
<tr>
<th>Special characteristics</th>
<th>ERCO high-power LEDs</th>
<th>Excellent thermal management</th>
<th>Switchable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small luminaire dimensions</td>
<td>Efficient Spherolit technology</td>
<td>EMC-optimised</td>
<td>Phase dimmable + On-board Dim</td>
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<td></td>
<td>Different light distributions</td>
<td>Various housing colours</td>
<td>DALI dimmable</td>
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<td></td>
<td>Different light colours</td>
<td>Various construction sizes</td>
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<td></td>
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<td>Pivotable through 90°</td>
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<td></td>
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<td>Accessory for maximum visual comfort</td>
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</tbody>
</table>
**Cantax** for track 220-240V

<table>
<thead>
<tr>
<th>Construction size</th>
<th>105mm</th>
<th>128mm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Light distribution</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LED module</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum value at 4000K CRI 82</td>
<td></td>
<td></td>
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<tr>
<td>Light colour</td>
<td></td>
<td></td>
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<tr>
<td>Lens wallwashers</td>
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<tr>
<td>Lens wallwashers</td>
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<tr>
<td><strong>Control</strong></td>
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<td>Control</td>
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<tr>
<td><strong>Colour (housing)</strong></td>
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<tr>
<td>Colour (housing)</td>
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<td></td>
</tr>
<tr>
<td>Accessories</td>
<td></td>
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</tr>
</tbody>
</table>
Spotlights Floodlights
Narrow spot Wide flood
Spot Extra wide flood
Flood Oval flood
Lens wallwashers
Wallwash

Switchable
Phase dimmable +
On-board Dim
DALI

White  Silver
Black  10,000 colours *

24W/3300lm  18W/2475lm (Narrow spot)
38W/4920lm  28W/3690lm (Narrow spot)

2700K CRI 92  3500K CRI 92
3000K CRI 92  4000K CRI 82
3000K CRI 97  4000K CRI 92

* available on request

Article numbers and planning data:
www.erco.com/011130
Design and application:
www.erco.com/cantax
Pantrac – Lighting effects for walls

Simple and efficient wallwashing for museums and business premises
Pantrac exceeds the demands of the ultimate challenge in lighting design: perfect wallwashing. The system is designed to achieve superb uniform illumination of walls, product shelving or exhibits with total visual comfort. Innovative photometrics optimise its efficiency and, as a result, reduce the number of luminaires required, as these can be spaced further apart.
With its archetypal cubic design, the luminaire integrates as effortlessly with modern rooms as with historic architecture. A very wide dimming control range of 1% to 100% supports aesthetic and conservation aspects of artwork protection and gallery appearance.

Related ranges
Pantrac
Wall-mounted luminaires
Page 518
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
   - Light distribution: wallwash

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

3 Front cover
   - Polymer, black lacquered

4 Housing
   - White (RAL9002), black or silver
   - Cast aluminium, powder-coated
   - Rotatable through 360° on adapter

5 Control gear
   - Switchable, phase dimmable + On-board Dim, DALI dimmable or Casambi Bluetooth
   - Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

6 ERCO 3-circuit adapter or ERCO DALI adapter

Variants on request
- Housing: 10,000 further colours
  Please contact your ERCO consultant.

Design and application:
www.erco.com/pantrac
**Pantrac for track 220-240V**

**Simple installation**
Pantrac creates perfect light for wallwashing without additional pivoting.

**Outstanding uniformity**
Pantrac provides uniform vertical lighting to perfection - whether in prestigious entrance areas, in offices or in museums.

**Large luminaire spacing**
The high-efficiency Pantrac lighting technology enables luminaire spacing of up to one and a half times the distance to the wall.

---

**Special characteristics**

- Outstanding uniformity
- Easy installation
- Wide luminaire spacing with wallwashing
- ERCO high-power LEDs
- Efficient Spherolit technology
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various housing colours
- Various construction sizes
- Switchable
- Phase dimmable + On-board Dim
- DALI dimmable
- Casambi Bluetooth

---

Erzeugt mit dem DocScape Publisher, Regelwerk $Rev: 14899 $, am 2019-12-11 um 01:03
**Pantrac for track 220-240V**

**Construction size**
- 208mm
- 119mm

**LED module**
- Maximum value at 4000K CRI 82
- 12W/1650lm
- 24W/3300lm

**Light colour**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92
- 2700K CRI 92
- 3500K CRI 92
- 3000K CRI 92
- 4000K CRI 82
- 3000K CRI 97
- 4000K CRI 92

**Light distribution**
- Lens wallwashers
- Wallwash
- Lens wallwashers
- Wallwash

**Control**
- Switchable DALI
- Switchable DALI
- Phase dimmable + On-board Dim
- Phase dimmable + On-board Dim
- Casambi Bluetooth
- Casambi Bluetooth

**Colour (housing)**
- White
- Silver
- Black
- 10,000 colours *
- White
- Silver
- Black
- 10,000 colours *

“Att skapa en bättre vardag för de många människorna”
“To create a better everyday life for the many people”
Skim – Downlights as flexible as spotlights

Economy, efficiency and visual comfort for today’s dynamic worlds of work

Skim luminaires for track not only have an unusual design with their double lens optic in a flat diecast aluminium housing, but simultaneously define a specific category of lighting tools: they unite the flexibility of spotlights for track with the visual comfort, efficiency and simplicity of downlights. As a consequence, they are ideal for contemporary worlds of work that are constantly being reorganised.

The arrangement and alignment of Skim luminaires on track can be adapted at any time to modified office layouts. Their lighting technology is based on the eponymous recessed and surface-mounted luminaires with which they can be ideally combined. Various wattages, light distributions and dimming options provide lighting designers with many possibilities for nuanced design in offices, retail projects and public buildings.

Related ranges

Skim
Recessed luminaires
Page 360

Skim
Surface-mounted luminaires
Page 428
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
- Made of optical polymer
- Light distributions: wide flood, extra wide flood or oval flood
- Oval flood 90° rotation

2 ERCO LED-module
- High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3 Anti-glare cone
- White (RAL9002), black or silver
- Optical cut-off 30°
- Polymer

4 Housing
- White (RAL9002), black or silver
- Cast aluminium, powder-coated
- Rotatable through 360° on adapter

5 Control gear
- Switchable, phase dimmable+On-board Dim, DALI dimmable or Casambi Bluetooth
- Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

6 ERCO 3-circuit adapter or ERCO DALI adapter

Variants on request
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/skim-t
S Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using 'blanket' values, but should be implemented according to the individual arrangement of luminaires in the room.

O Oval flood freely rotatable
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

S Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

<table>
<thead>
<tr>
<th>Special characteristics</th>
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<th>Switchable</th>
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<tr>
<td>UGR</td>
<td>Efficient lens system</td>
<td>EMC-optimised</td>
<td>Phase dimmable + On-board Dim</td>
</tr>
<tr>
<td>Oval flood, freely rotatable</td>
<td>Optical cut-off 30°</td>
<td>Various housing colours</td>
<td>DALI dimmable</td>
</tr>
<tr>
<td>Small luminaire dimensions</td>
<td>Different light colours</td>
<td>Easy installation</td>
<td>Casambi Bluetooth</td>
</tr>
</tbody>
</table>
**Construction size**

265mm

**LED module**

- Maximum value at 4000K CRI 82

  - 12W/1650lm
  - 17W/2160lm
  - 19W/2460lm

**Light colour**

- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

**Light distribution**

- Downlights
- Downlights oval flood
- Wide flood
- Oval flood
- Extra wide flood

**Control**

- Switchable: Switchable
- DALI: DALI
- Phase dimmable + On-board Dim: Phase dimmable + On-board Dim
- Casambi Bluetooth: Casambi Bluetooth

**Colour (housing)**

- White
- Silver
- Black
- 10,000 colours *
Jilly – The versatile light for modern work

Highly efficient and standard-compliant office workplace lighting - with track as a flexible basis.
In keeping with modern, dynamic working environments in which office layouts are constantly changing and adapting, Jilly luminaires for track achieve the efficient and standard-compliant lighting of workplaces. The especially flat housing and a striking anti-dazzle louvre characterise the elegant appearance. Jilly’s lighting technology combines a highly efficient lens system with an anti-dazzle louvre for visual comfort and luminous efficacy at the same high level. The wattage and light distribution enable wide luminaire spacing for economical lighting concepts that comply to standards. Jilly can be optimally aligned by mounting on track – always meeting the requirements of the architecture and the arrangement of the workstations.

Related ranges

Jilly linear
Recessed luminaires
Page 386

Jilly linear
Surface-mounted luminaires
Page 440

Jilly linear
Pendant luminaires
Page 484

Jilly square
Recessed luminaires
Page 380
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
   - Made of optical polymer
   - Light distributions: extra wide flood or oval wide flood

2 ERCO LED-module
   - Mid-power LEDs: warm white (3000K) or neutral white (4000K)

3 Louvre
   - Polymer, black lacquered or aluminium vaporised, silver, mirror-finish

4 Housing
   - White (RAL9002), black or silver
   - Polymer, coated
   - Rotatable through 360° on adapter

5 Control gear
   - Switchable, phase dimmable+On-board Dim, DALI dimmable or Casambi Bluetooth
     - Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

6 ERCO 3-circuit adapter or ERCO DALI adapter

Variants on request
   - Mid-power LEDs: 2700K, 3000K, 3500K or 4000K with CRI 92
   - Anti-glare louvre: gold matt, silver matt, champagne matt or copper matt-coated and other colours
   - Housing: 10,000 further colours
   - Please contact your ERCO consultant.

Design and application:
www.erco.com/jilly-t
**Louvre for efficient visual comfort**

A louvre is designed to restrict the view into the luminaire, achieving efficient visual comfort with an emission angle of 90°. An anti-glare louvre available in black or silver enables the luminaire to blend with the material and colour of the ceiling.

**Small luminaire dimensions**

Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

**Suitable for office workstations**

ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

**Special characteristics**

- Improved visual comfort
- For office workstation lighting from UGR 13.1
- ERCO mid-power LEDs
- Efficient lens system
- EMC-optimised
- Different light colours
- Various housing colours
- Excellent thermal management
- Easy installation
- Switchable
- Phase dimmable + On-board Dim
- DALI dimmable
- Casambi Bluetooth
**Jilly** for track 220–240V

- **Construction size**: 402mm
- **LED module**
  - Maximum value at 4000K CRI 82
  - 15W/2700lm
- **Light colour**
  - 2700K CRI 92 *
  - 3000K CRI 82
  - 3000K CRI 92 *
  - 4000K CRI 82
  - 4000K CRI 92 *
- **Light distribution**
  - Downlights
  - Downlights oval wide flood
  - Extra wide flood
  - Oval wide flood
- **Control**
  - Switchable
  - DALI
  - Phase dimmable +
  - On-board Dim
  - Casambi Bluetooth
- **Colour (housing/louvre)**
  - White/Silver
  - White/Black
  - Black/Silver
  - Black/Black
  - Silver/Silver
  - Silver/Black

Maximum value at 4000K CRI 82
Switchable DALI
Phase dimmable + On-board Dim Casambi Bluetooth
15W/2700lm

234 ERCO Program 2020
Faberge AB – WAW
Arena Staden,
Stockholm. Architecture: ABREU
Design Studio; EgnellAlland Inred-
ningsarkitektur, Stockholm.
Lighting design: ABREU Design
Studio. Electrical engineering:
Stockholms El-
jäst Lundén AB;
Elbolaget LMJ AB;
Lundek Elkonsult
AB; Elarkitektur
AB. Photography:
Gavriil Papadiotis,
London.
Compar – The flexible path to perfect light

An adaptable, compact tool for ergonomic light in offices

Illuminating office architecture and workplaces in a nuanced and extremely flexible way – made possible by the combination of Compar luminaires and track as the infrastructure. As downlights for track, they utilise the lighting technology of the extensive Compar range. With their flat housing they are also suitable for rooms with low ceiling heights. Compar features high visual comfort thanks to its anti-dazzle louvre, and workplaces are illuminated according to standards and glare-free with appropriate light distributions. Compar can always be optimally aligned even with changing office layouts due to installation via track adapters. The wattage and light distribution of Compar enable wide luminaire spacing for economical lighting concepts.

Related ranges

- Compar linear Recessed luminaires Page 392
- Compar square Surface-mounted luminaires Page 446
- Compar linear Surface-mounted luminaires Page 452
- Compar linear Pendant luminaires Page 490
**Structure and characteristics**

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO lens system**
   - Made of optical polymer
   - Light distributions: wide flood, extra wide flood, oval wide flood or oval flood
   - Reflectors (lens wallwasher)
     - Polymer, silver vaporised, mirror-finish
     - Softec lens

2. **ERCO LED-module**
   - High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3. **Louvre**
   - Polymer, black lacquered or aluminium vaporised, silver, mirror-finish
   - Downlight: cut-off angle 30°
   - Wallwasher: cut-off angle 70°

4. **Housing**
   - White (RAL9002), black or silver
   - Cast aluminium, powder-coated
   - Rotatable through 360° on adapter

5. **Control gear**
   - Switchable, phase dimmable + On-board Dim, DALI dimmable or Casambi Bluetooth
   - Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

6. **ERCO 3-circuit adapter or ERCO DALI adapter**

**Variants on request**

- Anti-dazzle louvre: coated matt gold, matt silver or matt champagne
- Housing: 10,000 further colours

Please contact your ERCO consultant.

Design and application:
www.erco.com/compar-t
**Suitable for office workstations**
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

**Louvres for efficient visual comfort**
A louvre is designed to restrict the view into the luminaire, achieving efficient visual comfort with an emission angle of 90°. An anti-glare louvre available in black or silver enables the luminaire to blend with the material and colour of the ceiling.

**Double wallwasher**
The special light distribution of the double wallwashers efficiently illuminates the opposite walls of corridors. The diffuse, reflected light from the walls also illuminates the floor and ceiling.

---

**Small luminaire dimensions**
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

---

**Special characteristics**
- Excellent visual comfort
- ERCO high-power LEDs
- UGR for office workstation lighting from UGR 7.1
- Double wallwasher
- Excellent thermal management
- EMC-optimised
- Cut-off 30°/70°
- Various housing colours
- Different light colours
- Easy installation
- Switchable
- Phase dimmable + On-board Dim
- DALI dimmable
- Casambi Bluetooth
Compar for track 220–240V

Construction size

![Construction size diagram]

LED module

- Maximum value at 4000K CRI 82
- 12W/1650lm
- 19W/2460lm

Light colour

- 2700K CRI 92
- 3500K CRI 92
- 3000K CRI 92
- 4000K CRI 82
- 3000K CRI 97
- 4000K CRI 92

Light distribution

- Downlights
- Downlights oval wide flood
- Downlights oval wide flood Double wallwashers
- Downlights oval wide flood Double wallwashers
- Wide flood
- Oval flood
- Extra wide flood
- Double wallwashers

Control

- Switchable
- DALI
- Phase dimmable +
- On-board Dim Casambi Bluetooth

Colour (housing/louvre)

- White/Silver
- White/Black
- 10,000 colours */ Silver
- Black/Silver
- Black/Black
- 10,000 colours */ Black
- Silver/Silver
- Silver/Black
Integrated. Accentuating.
Recessed spotlights, floodlights and wallwashers

Recessed spotlights combine the flexibility of spotlights with the discreet appearance of recessed luminaires. Their domain is accent lighting. Swivel mechanisms allow the luminaires to be aligned with objects or vertical surfaces. Recessed spotlights are inconspicuous architectural details and can be ideally combined with downlights.

Overview of all ranges: from page 248
www.erco.com/spotlights-r
Arousing desire
- High brilliance for displays of merchandise in shops
- Interchangeable lenses for different sized and seasonal products
- Up to CRI 97 for the perfect rendering of colours

Products used:
- Gimbal (above) p. 268
- Gimbal Basic (left) page 274

Elegant lines
- Flush ceiling view due to compact luminaires for ceiling channels
- Configurable ceiling channel system available
- Pivots up to 40° and rotates through 360° for precise and flexible alignment

Products used:
- Gimbal Basic with mounting bracket page 286
Recessed spotlights, floodlights and wallwashers  

Application examples

Light and shadows

- Strong accents with narrow light beams create private zones
- Visible luminaire details in the colour of your choice
- 2700K light colour for a cosy atmosphere

Products used:
**Starpoint** page 262

Light for high walls

- Prestigious reception due to uniform wallwashing
- Harmonious ceiling view due to inconspicuous recessed wallwashers
- Wide luminaire spacing reduces project costs

Products used:
**Gimbal** page 268
Staging the background

- Decorative wall surfaces in hotels and restaurants emphasise branding
- Bright, friendly surroundings due to emphasis of vertical lighting
- Attractive play of light and shadow on the leaves

Products used:
Quintessence page 250

Strong accents for long distances

- High illuminances on the exhibits with minimal power consumption
- Narrow light beams allow high distances
- Pan-and-tilt for perfect alignment onto the artworks

Products used:
Cantax page 292
These lighting tools solve your lighting tasks

**You'd like flexible museum lighting that integrates into your ceiling?**

![Diagram showing museum lighting integrated into ceiling]

- Quintessence round page 250
- Quintessence square page 256
- Light Board page 298
- Cantax page 292

**You'd like to welcome visitors to your foyer in an appealing way?**

![Diagram showing foyer lighting]

- Gimbal page 288
- Light Board page 298
- Cantax page 292

**Spotlight light distributions for recessed luminaires**

- From accentuation to flooding to wallwashing
- Low damage factor
- Precisely adjustable

**Recessed wallwashers for excellent vertical illumination**

- High brightness impression and wide spatial perception convey an open gesture
- Large luminaire spacing
- Optimal alignment of the luminaire
You're looking for economical lighting for your shop?

Retail luminaires with the right light spectrum for merchandise

- Always the right spectrum for highly diverse merchandise
- Flexible lighting concepts due to interchangeable light distributions
- Very good price performance ratio

Luminaires with interchangeable lenses for variable lighting concepts

- Diverse light distributions for various applications
- Exchangeable without tools
- Ideal for museums, shops, restaurants and hotels

You'd like to modify the room atmosphere without having to replace luminaires?

Gimbal Basic page 274
Gimbal Basic with mounting bracket page 286
Starpoint page 262

Starpoint page 262
Cantax page 292
Light Board page 298
Gimbal page 268
This distinguishes our recessed spotlights, floodlights and wallwashers

Round or square
The system design of ERCO recessed luminaires offers almost any light distribution – thanks to lens technology that’s independent of the luminaire geometry.

Predestined for ceiling channels
Thanks to their compact design and central pivot point, some luminaires are ideal for on-site ceiling channels and for the ERCO ceiling channel system.

You’d like to precisely align your light beams? Recessed spotlights with cardanic suspension can be panned and tilted with precision.

Powerful light
Our optics project light without spill light for maximum illuminances on the target surface. The appearance ranges from individual LED dots to a homogeneously illuminated surface.

Change the light distribution yourself
Whatever you wish to illuminate, with ERCO you’ll find the right light distribution. If the interior changes you can simply replace the light distribution – from accent lighting to wallwashing.

Products with these features can be found on the next page.
Maximising visual comfort with accessories
Recessed spotlights from ERCO feature outstanding visual comfort. Snoots, hexagonal baffles and cross baffles are the right choice if in individual situations you wish to further reduce views into the luminaires.

From small to large
Find the right size and lumen package for any light effect and room height – from boutiques to museum foyers.

Space-saving in the ceiling
In tight installation situations every millimetre is critical. Just 70mm is sufficient for especially flat recessed luminaires.

Staging with colour
Like to set coloured accents? RGBW luminaires enable scenic lighting concepts with pastel colour tones and saturated colours.

Perfectly integrated
With recessed ceiling cassette, the pivoted luminaire head does not protrude beyond the lower edge of the ceiling – perfectly integrated for a simple ceiling appearance.

Light for art and art appreciation
LEDs with excellent quality of light show your art in optimal colours. The light of our luminaires with in-house developed control gear is flicker-free, also through the lens of your camera.

Connectivity
Wireless or wired? With technologies such as Casambi Bluetooth and DALI we always offer you the right interface.

From small to large
Find the right size and lumen package for any light effect and room height – from boutiques to museum foyers.

Space-saving in the ceiling
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<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
<th>Features</th>
</tr>
</thead>
</table>
| Quintessence round  | 250    | Pivotable through 40°  
Five light distributions  
Available with recessed luminaire head  
Shop, Culture          |
| Quintessence square | 256    | Pivotable through 40°  
Five light distributions  
Available with recessed luminaire head  
Shop, Culture          |
| Starpoint           | 262    | Pivotable through 30°  
Six light distributions  
Small luminaire dimensions  
Shop, Hospitality     |
| Gimbal              | 268    | Pivotable through 40°  
Seven light distributions  
Gimbal suspension  
Shop, Community, Culture |
| Gimbal Basic        | 274    | Pivotable through 40°  
Very good price-performance ratio  
Gimbal suspension  
Shop                 |
| Gimbal with mounting bracket | 280 | Pivotable through 60°  
Seven light distributions  
Gimbal suspension  
Shop, Community, Culture |
| Gimbal Basic with mounting bracket | 286 | Pivotable through 60°  
Very good price-performance ratio  
Gimbal suspension  
Shop                 |
| Cantax              | 292    | Pivotable through 90°  
Seven light distributions  
Very low recess depth  
Shop                 |
| Light Board         | 298    | Pivotable through 90°  
RGBW available  
Community, Culture    |
Ceiling channel system

- Individual dimensions possible
- Ideal for recessed spotlights
- Insertion plates for luminaires available

Shop
Quintessence round – Elegant accentuation and floodlighting

Round recessed spotlights and recessed floodlights for prestigious areas, exhibitions and salesrooms

The Quintessence round recessed spotlights help you expertly accentuate individual areas or objects. The recessed floodlights, meanwhile, direct the attention of the observer onto your shelves and product tables. The luminaires integrate elegantly with the room architecture, their large swivel range enables you to reach even far corners of the room.

The Quintessence system design facilitates a flexible lighting concept as a unified whole. Combine spotlights and floodlights with each other or with the Quintessence downlights. Select the appropriate mounting details and lamps. Whatever your choice, the result is always a highly efficient lighting system meeting the highest standards of light quality.

Related ranges

Quintessence square
Recessed spotlights, recessed floodlights
Page 258

Quintessence round
Recessed luminaires
Page 318

Quintessence round
Surface-mounted luminaires
Page 410

Quintessence round
Pendant luminaires
Page 466
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherotl lens
   - Light distributions: narrow spot, spot, flood, wide flood or oval flood
   - Oval flood 360° rotation

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

3 Flush or regressed cassette
   - Polymer, white

4 Mounting ring
   - Covered mounting detail
   - Fixing for ceiling thicknesses of 1-25mm (size 4) or 1-30mm (size 7)
   - Polymer, white
   - For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5–25mm

5 Housing
   - Cast aluminium
   - 0°–40° tilt, 360° rotation
   - Lockable angles of tilt and rotation
   - Anti-glare ring: polymer or cast aluminium, internal black lacquered, external white

6 Control gear
   - Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Cassette and mounting ring: 10,000 further colours
- Ceiling channel system

Please contact your ERCO consultant.
Quintessence round  Recessed spotlights, recessed floodlights

Pivotable through 40°
The luminaires can be adjusted precisely for optimum beam alignment. The light is thus emitted to precisely where it is required.

Oval flood freely rotatable
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

Covered or flush mounting detail
As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.

Shallow recess depth
In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

Special characteristics
- Oval flood, freely rotatable
- Pivotable through 40°
- Flush or covered mounting detail
- Shallow recess depth

ERCO high-power LEDs
- Efficient Spherolit technology

Excellent thermal management
- EMC-optimised

Switchable
- Phase dimmable
- DALI dimmable

Casambi Bluetooth
- Lockable
- Tool-free mounting

Various construction sizes
- Various light distributions
- Different light colours
- Different light depths
Quintessence round  Recessed spotlights, recessed floodlights

Construction size
- Ø 142mm
- Ø 221mm

LED module
Maximum value at 4000K CRI 82
- 6W/825lm
- 2W/275lm (Narrow spot)
- 18W/2475lm
- 8W/1100lm (Narrow spot)

Light colour
- 2700K CRI 92
- 3000K CRI 92
- 3500K CRI 92
- 4000K CRI 82
- 3000K CRI 97
- 4000K CRI 92
- 3000K CRI 97
- 4000K CRI 92

Light distribution
- Recessed spotlights
  - Narrow spot
  - Spot
  - Flood
- Recessed floodlights
  - Wide flood
  - Oval flood

Control
- Switchable
- DALI
- Phase dimmable
  - Casambi Bluetooth

Colour (housing)
- White
  - 10,000 colours *
- White
  - 10,000 colours *

Accessories
- Concrete mounting enclosure
- Compensation set
- Mounting ring
- Cover ring
- Spacer plate
- Mounting plate for panelled ceilings
Ekonomikum at the University of Uppsala, Uppsala.

* available on request
Quintessence square – Elegant accentuation and floodlighting

Square recessed spotlights and recessed floodlights for prestigious areas, exhibitions and salesrooms

The Quintessence square recessed spotlights accentuate individual areas or objects. The recessed floodlights, meanwhile, direct the attention of the observer onto shelves and product displays. Designed with linear forms in mind, the luminaires integrate perfectly with the room’s architecture, and the versatile positioning options enable penetration into the furthest corners of a space.

The Quintessence system design facilitates a flexible lighting concept as a unified whole. Combine spotlights and floodlights with each other or with the Quintessence downlights. Select the appropriate mounting details and lamps. Whatever your choice, the result is always a highly efficient lighting system meeting the highest standards of light quality.

Related ranges

Quintessence round
Recessed spotlights, recessed floodlights
Page 252

Quintessence round
Recessed luminaires
Page 326

Quintessence round
Surface-mounted luminaires
Page 410

Quintessence round
Pendant luminaires
Page 466
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Sphorlitz lens
- Light distributions: narrow spot, spot, flood, wide flood or oval flood
- Oval flood 360° rotation

2 ERCO LED-module
- High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
- Collimating lens made of optical polymer

3 Flush or regressed cassette
- Polymer, white

4 Mounting frame
- Covered mounting detail
- Fixing for ceiling thicknesses of 1-30mm
- Polymer, white
- For flush mounting: mounting frame to be ordered separately, fixing for ceiling thicknesses of 12.5–25mm
- Lockable angles of tilt and rotation
- Anti-glare ring: polymer or cast aluminium, internal black lacquered, external white

5 Housing
- Cast aluminium
- Pivotable through 0°–30° or 0°–40°, rotatable through 360°

6 Control gear
- Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
- Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Cassette and mounting frame: 10,000 further colours
- Ceiling channel system

Please contact your ERCO consultant.

Design and application:
www.erco.com/quintessence-square-r
Pivotable through 40°
The luminaires can be adjusted precisely for optimum beam alignment. The light is thus emitted to precisely where it is required.

Oval flood freely rotatable
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

Covered or flush mounting detail
As standard, all recessed luminaires have overlapping installation details. Flush mounting frames are available as accessories.

Shallow recess depth
In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

Special characteristics
- Oval flood, freely rotatable
- Pivotable through 40°
- Flush or covered mounting detail
- Shallow recess depth

ERCO high-power LEDs
Efficient Spherolit technology
Different light distributions
Different light colours

Excellently thermal management
EMC-optimised
Various construction sizes
Lockable

Switchable
Phase dimmable
DALI dimmable
Casambi Bluetooth
Tool-free mounting
Quintessence square Recessed spotlights, recessed floodlights

Construction size
- 142mm
- 221mm

LED module
- Maximum value at 4000K CRI 82
  - 6W/825lm
  - 2W/275lm (Narrow spot)
  - 18W/2475lm
  - 8W/1100lm (Narrow spot)

Light colour
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

Light distribution
- Narrow spot
- Wide flood
- Spot
- Oval flood
- Flood

Control
- Switchable
- DALI
- Phase dimmable
- Casambi Bluetooth

Colour (housing)
- White
- 10,000 colours *

Accessories
- Mounting enclosure
- Spacer plate
- Mounting frame
- Mounting plate for panelled ceilings
- Cover frame
Danske Bank branch, Belfast.
Architecture: Hughes McMichael, Belfast.
Photographer: Dirk Vogel, Dortmund.
Starpoint – Filigree powerhouse for accent lighting and washlighting

Recessed spotlights for sales-rooms, hotels, restaurants and homes

Behind the discreet ceiling opening of the Starpoint recessed spotlight lies a master of floodlighting and accenting. Despite its compact design, six different light distributions are available. This enables the interiors of sales areas, restaurants, hotel rooms and living rooms to be eye-catchingly presented in diverse ways. According to its various design solutions, covered and flush mounting options are available.

Related ranges

- Starpoint Recessed luminaires Page 354
- Starpoint Surface-mounted luminaires Page 422
- Starpoint Pendant luminaires Page 478
- Starpoint Wall-mounted luminaires Page 530
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
   - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood or oval flood
   - Oval flood 360° rotation

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

3 Mounting ring
   - Covered mounting detail
   - Fixing for ceiling thicknesses of 1-25mm
   - Polymer, white
   - For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5-25mm

4 Luminaire
   - White (RAL9002)
   - Cast aluminium
   - 0°-30° tilt, 360° rotation

5 Control gear
   - Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
   - Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
   - Housing: 10,000 further colours
   - Ceiling channel system

Please contact your ERCO consultant.

Design and application:
www.erco.com/starpoint-r
Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Small luminaire dimensions are particularly advantageous in compact room situations.

Oval flood freely rotatable
With luminaires with round light emission, the oval flood Sphero-lit lens can be freely rotated to align the light optimally to various objects.

Covered or flush mounting detail
As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.

Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself.

Oval flood freely rotatable
With luminaires with round light emission, the oval flood Sphero-lit lens can be freely rotated to align the light optimally to various objects.

Covered or flush mounting detail
As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.

Shallow recess depth
In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

Special characteristics
- Oval flood, freely rotatable
- Efficient Sphero-lit technology
- EMC-optimised
- Pivotable through 30°
- Tool-free mounting
- Very good price performance ratio
- ERCO high-power LEDs
- Different light distributions
- DALI dimmable
- Casambi Bluetooth
- Different light colours
- Switchable
- ERCO Program 2020

Erzeugt mit dem DocScape Publisher, Regelwerk $Rev: 14899 $, am 2019-12-11 um 01:03
Starpoint Recessed spotlights, recessed floodlights

Construction size
Ø 113mm

LED module
Maximum value at 4000K CRI 82

<table>
<thead>
<tr>
<th>Light</th>
<th>Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>6W/825lm</td>
<td>2W/275lm (Narrow spot)</td>
</tr>
<tr>
<td>10W/1230lm</td>
<td>3W/410lm (Narrow spot)</td>
</tr>
</tbody>
</table>

Light colour

- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

Light distribution

- Recessed spotlights
  - Narrow spot
  - Spot
  - Flood
- Recessed floodlights
  - Wide flood
  - Extra wide flood
  - Oval flood

Control

- Switchable
- Phase dimmable
- DALI
- Casambi Bluetooth

Colour (housing)

- White
- 10,000 colours *

Accessories

- Lenses
- Mounting plate for panelled ceilings
- Concrete mounting enclosure
- Compensation set
- Mounting ring
- Cover ring
- Spacer plate
Palmers Store
huma eleven
center, Vienna.
Photography:
Gustavo Allidi
Bernasconi,
Vienna.

* available on request
Gimbal – Cardanically adjustable

**Recessed spotlight with a compact high-precision swivel mechanism**

Gimbal suspension is widely prevalent in technology and is a concept that is as old as Leonardo da Vinci, who suggested its use for nautical compasses. In lighting technology, gimbals are an elegant solution for pinpoint adjustment of the luminaires. Gimbal recessed spotlights transform this principle into the era of digital lighting – with a highly precise and convenient swivel mechanism in a compact design that stands apart from conventional approaches and enables shallow recess depths. Different sizes and wattages for the full spectrum of light distributions make Gimbal ideal as a system for differentiated lighting design with focus on the high-contrast presentation of objects. With its unique technoid appearance in the ceiling, Gimbal lends itself perfectly to retail projects as well as to museums and other public buildings.

**Related ranges**

- **Gimbal Basic**
  - Recessed spotlights, floodlights, wallwashers
  - Page 276

- **Gimbal with mounting bracket**
  - Recessed spotlights, floodlights, wallwashers
  - Page 282

- **Gimbal Basic with mounting bracket**
  - Recessed spotlights, floodlights, wallwashers
  - Page 288
Structure and characteristics

1. ERCO Spherolit lens
   - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
   - Oval flood 360° rotation

2. ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

3. Mounting ring
   - Covered mounting detail
   - Fixing for ceiling thicknesses of 1–25mm (size 4) or 1–30mm (size 5–7)
   - Polymer, white
   - For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5–25mm

4. Luminaire
   - Black
   - Cast aluminium, powder-coated
   - Gimbal suspension: polymer
   - 0°–40° tilt

5. Control gear
   - Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)
   - Variants on request
     - Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
     - Housing: 10,000 further colours
     - Ceiling channel system

Please contact your ERCO consultant.

Design and application:
www.erco.com/gimbal-r
**Cardanic suspension**
Especially with high ceilings, small swivel movements have a strong effect on the position of the light beam - cardanic suspension facilitates precise luminaire alignment in such cases.

**Oval flood freely rotatable**
With luminaires with round light emission, the oval flood Sphero-lit lens can be freely rotated to align the light optimally to various objects.

**Covered or flush mounting detail**
As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.

**Shallow recess depth**
In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

**Special characteristics**

<table>
<thead>
<tr>
<th>Oval flood, freely rotatable</th>
<th>Efficient Sphero-lit technology</th>
<th>Excellent thermal management</th>
<th>Switchable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardanic suspension</td>
<td></td>
<td></td>
<td>Phase dimmable</td>
</tr>
<tr>
<td>Gimbal suspension</td>
<td>Different light distributions</td>
<td></td>
<td>DALI dimmable</td>
</tr>
<tr>
<td>Flush or covered mounting detail</td>
<td>Different light colours</td>
<td></td>
<td>Casambi Bluetooth</td>
</tr>
<tr>
<td>Shallow recess depth</td>
<td></td>
<td></td>
<td>Tool-free mounting</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Accessory for maximum visual comfort</td>
</tr>
</tbody>
</table>
**Gimbal** Recessed spotlights, recessed floodlights, recessed wallwashers

- **Construction size**
  - Ø 142mm
  - Ø 177mm

- **LED module**
  - Maximum value at 4000K CRI 82

- **Light colour**
  - 2700K CRI 92
  - 3500K CRI 92
  - 3000K CRI 92
  - 4000K CRI 82
  - 3000K CRI 97
  - 4000K CRI 92

- **Light distribution**
  - Recessed spotlights
  - Narrow spot
  - Wide flood
  - Spot
  - Extra wide flood
  - Flood
  - Oval flood
  - Recessed lens wallwashers
  - Wallwash

- **Control**
  - Switchable
  - DALI
  - Phase dimmable
  - Casambi Bluetooth

- **Colour (housing)**
  - Black
  - 10,000 colours *

- **Accessories**
  - Lenses
  - Concrete mounting enclosure
  - Compensation set
  - Snoot
  - Mounting ring
  - Cover ring
  - Cross-baffle
  - Spacer plate
  - Honeycomb anti-glare screen
  - Mounting plate for panelled ceilings
Recessed spotlights, recessed floodlights, recessed wallwashers

24W/3300lm  8W/1000lm (Narrow spot)
38W/4920lm  13W/1640lm (Narrow spot)

Recessed spotlights
- Narrow spot
- Spot
- Flood
- Recessed lens wallwashers

Recessed floodlights
- Wide flood
- Extra wide flood
- Oval flood
- Wallwash

Switchable: DALI
Phase dimmable: Casambi Bluetooth

Black
10,000 colours *

* available on request

Article numbers and planning data:
www.erco.com/016053
Design and application:
www.erco.com/gimbal-r

ERCO Program 2020
Gimbal Basic – Cardanically adjustable

Recessed spotlight with a compact high-precision swivel mechanism

Cardanic suspensions are commonly found in the world of technology – Leonardo da Vinci proposed them for a ship’s compass and in the lighting technology sector they provide an elegant solution for the precise adjustment of luminaires. Gimbal Basic recessed spotlights bring this principle into the digital lighting era – with an especially precise, comfortable swivel function that is also more compact than conventional swivel mechanisms, in turn enabling lower recess depths. Different sizes and wattages with various light distributions make Gimbal the ideal system for nuanced lighting design focusing on the high-contrast presentation of objects. With its unique technoid appearance in the ceiling, Gimbal Basic lends itself perfectly to retail projects as well as to museums and other public buildings.

Related ranges

Gimbal
Recessed spotlights, floodlights, wallwashers
Page 270

Gimbal with mounting bracket
Recessed spotlights, floodlights, wallwashers
Page 282

Gimbal Basic with mounting bracket
Recessed spotlights, floodlights, wallwashers
Page 288
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO Spherolit lens**
   - Light distributions: spot, flood, wide flood, oval flood or wallwash
   - Oval flood 360° rotation

2. **ERCO LED-module**
   - Chip-on-board LED: warm white (2700K or 3000K), neutral white (3500K or 4000K) or Fashion (3000K)
   - Collimating lens made of optical polymer

3. **Mounting ring**
   - Covered mounting detail
   - Fixing for ceiling thicknesses of 1–25mm (size 4) or 1–30mm (size 5–7)
   - Polymer, white
   - For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5–25mm

4. **Luminaire**
   - Black
   - Cast aluminium, powder-coated
   - Gimbal suspension: polymer
   - 0°–40° tilt

5. **Control gear**
   - Switchable or DALI dimmable

Variants on request
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Housing: 10,000 further colours
- Ceiling channel system
Please contact your ERCO consultant.

Design and application:
www.erco.com/gimbal-basic-r
Oval flood freely rotatable
With luminaires with round light emission, the oval flood Spherolit lens can be freely rotated to align the light optimally to various objects.

Covered or flush mounting detail
As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.

Cardanic suspension
Especially with high ceilings, small swivel movements have a strong effect on the position of the light beam - cardanic suspension facilitates precise luminaire alignment in such cases.

Shallow recess depth
In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

Special characteristics
- Oval flood, freely rotatable
- Gimbal suspension
- Flush or covered mounting detail
- Shallow recess depth
- Efficient Spherolit technology
- Different light distributions
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Pivotable through 40°
- Tool-free mounting
- Accessory for maximum visual comfort
- DALI dimmable
- Switchable

ERCO chip-on-Board LED
Efficient Spherolit technology
EMC-optimised
Various construction sizes
Pivotable through 40°
Tool-free mounting
Accessory for maximum visual comfort
**Gimbal Basic**  Recessed spotlights, recessed floodlights, recessed wallwashers

<table>
<thead>
<tr>
<th><strong>Construction size</strong></th>
<th>142mm</th>
<th>177mm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LED module</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum value at 4000K CRI 82</td>
<td>10W/1635lm</td>
<td>21W/3270lm</td>
</tr>
<tr>
<td><strong>Light colour</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2700K CRI 82</td>
<td>3500K CRI 92</td>
<td></td>
</tr>
<tr>
<td>2700K CRI 92</td>
<td>4000K CRI 82</td>
<td></td>
</tr>
<tr>
<td>3000K CRI 82</td>
<td>4000K CRI 92</td>
<td></td>
</tr>
<tr>
<td>3000K CRI 92 Fashion</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Light distribution**

- **Recessed spotlights**
  - Spot
  - Flood
- **Recessed floodlights**
  - Wide flood
  - Oval flood
- **Recessed lens wallwashers**
  - Wallwash

**Control**

- **Switchable**
- **DALI**

**Colour (housing)**

- **Black**
- 10,000 colours *

**Accessories**

- **Lenses**
- **Concrete mounting enclosure**
- **Compensation set**
- **Snoot**
- **Mounting ring**
- **Cover ring**
- **Cross-baffle**
- **Spacer plate**
- **Honeycomb anti-glare screen**
- **Mounting plate for panelled ceilings**

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280  ERCO Program 2020
Switchable DALI

<table>
<thead>
<tr>
<th>2700K CRI 82</th>
<th>3500K CRI 92</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K CRI 92</td>
<td>4000K CRI 82</td>
</tr>
<tr>
<td>3000K CRI 82</td>
<td>4000K CRI 92</td>
</tr>
<tr>
<td>3000K CRI 92</td>
<td>Fashion</td>
</tr>
</tbody>
</table>

Recessed spotlights | Recessed floodlights
--- | ---
Spot | Wide flood
Flood | Oval flood
Recessed lens wallwashers | Wallwash

Switchable DALI

Black
10,000 colours *

* available on request
Gimbal with mounting bracket – The highly diverse special tool

**Versatile lighting technology with cardanic suspension, optimised for mounting in channels**

The principle of cardanic suspension with Gimbal recessed spotlights translates into an especially precise, comfortable swivel mechanism. It is not only more compact than standard versions, but the centre of the light head maintains its position during alignment – as a result Gimbal is predestined as a tool for lighting concepts with ceiling channels. The luminaire can also be simply installed in on-location ceiling channels thanks to its special mounting bracket. Several construction sizes and wattages for each light distribution create lively, nuanced and flexible lighting concepts. Applications consist of retail projects, hotels and restaurants as well as buildings where lighting designers plan discreet and effective lighting from ceiling channels or coves.

**Related ranges**

- **Gimbal Basic with mounting bracket**
  - Recessed spotlights, floodlights, wallwashers
  - Page 288

- **Gimbal**
  - Recessed spotlights, floodlights, wallwashers
  - Page 270

- **Gimbal Basic**
  - Recessed spotlights, floodlights, wallwashers
  - Page 276
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
   - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
   - Oval flood 360° rotation

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

3 Luminaire
   - Black
   - Cast aluminium, powder-coated
   - Gimbal suspension: polymer
   - Pivotable through 0°–40°, pivotable through 60° in the longitudinal direction of the channel
   - Mounting bracket: steel, powder-coated

4 Control gear
   - Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
   - Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
   - Housing: 10,000 further colours

Please contact your ERCO consultant.
Gimbal with mounting bracket  Recessed spotlights, floodlights, wallwashers

Oval flood freely rotatable
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

Cardanic suspension
Especially with high ceilings, small swivel movements have a strong effect on the position of the light beam - cardanic suspension facilitates precise luminaire alignment in such cases.

Ideal for ceiling channels
The compact design and central pivot point predestine some luminaires for installation in ceiling channels.

Shallow recess depth
In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

Special characteristics
- Oval flood, freely rotatable
- Gimbal suspension
- Ideal for ceiling channels
- Shallow recess depth

ERCO high-power LEDs
Efficient Spherolit technology

Excellent thermal management
EMC-optimised

Switchable
Phase dimmable

Various construction sizes
DALI dimmable

Pivotable through 40°
Casambi Bluetooth

Accessory for maximum visual comfort
**Gimbal with mounting bracket** Recessed spotlights, recessed floodlights, recessed wallwashers

### Construction size

<table>
<thead>
<tr>
<th>Diameter</th>
<th>118mm</th>
<th>150mm</th>
</tr>
</thead>
</table>

### LED module

**Maximum value at 4000K CRI 82**

<table>
<thead>
<tr>
<th>Construction size</th>
<th>6W/825lm</th>
<th>2W/275lm (Narrow spot)</th>
<th>10W/1230lm</th>
<th>3W/410lm (Narrow spot)</th>
<th>12W/1650lm</th>
<th>4W/550lm (Narrow spot)</th>
<th>19W/2460lm</th>
<th>6W/820lm (Narrow spot)</th>
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</table>

### Light colour

<table>
<thead>
<tr>
<th>Light colour</th>
<th>2700K CRI 92</th>
<th>3500K CRI 92</th>
<th>3000K CRI 92</th>
<th>4000K CRI 82</th>
<th>3000K CRI 97</th>
<th>4000K CRI 92</th>
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</table>

### Light distribution

<table>
<thead>
<tr>
<th>Light distribution</th>
<th>Recessed spotlights</th>
<th>Recessed floodlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Narrow spot</td>
<td>Wallwash</td>
<td>Wallwash</td>
</tr>
<tr>
<td>Spot</td>
<td>Extra wide flood</td>
<td></td>
</tr>
<tr>
<td>Flood</td>
<td>Oval flood</td>
<td></td>
</tr>
</tbody>
</table>

### Control

<table>
<thead>
<tr>
<th>Control</th>
<th>Switchable</th>
<th>DALI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phase dimmable</td>
<td>Casambi Bluetooth</td>
<td></td>
</tr>
<tr>
<td>Phase dimmable</td>
<td>Casambi Bluetooth</td>
<td></td>
</tr>
</tbody>
</table>

### Colour (housing)

<table>
<thead>
<tr>
<th>Colour (housing)</th>
<th>Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,000 colours *</td>
<td></td>
</tr>
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</table>

### Accessories

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Lenses</th>
<th>Cross-baffle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snoot</td>
<td>Honeycomb anti-glare screen</td>
<td></td>
</tr>
</tbody>
</table>
Gimbal with mounting bracket
Recessed spotlights, recessed floodlights, recessed wallwashers

Article numbers and planning data:
www.erco.com/016770
Design and application:
www.erco.com/gimbal-cc

| 24W/3300lm | 8W/1100lm (Narrow spot) |
| 38W/4920lm | 13W/1640lm (Narrow spot) |

| 2700K CRI 92 | 3500K CRI 92 |
| 3000K CRI 92 | 4000K CRI 82 |
| 3000K CRI 97 | 4000K CRI 92 |

Recessed spotlights
- Narrow spot
- Spot
- Flood

Recessed floodlights
- Wide flood
- Extra wide flood
- Oval flood

Recessed lens wallwashers
- Wallwash

Switchable
- DALI

Phase dimmable
- Casambi Bluetooth

Black
10,000 colours *

* available on request
Gimbal Basic with mounting bracket – The highly diverse special tool

**Versatile lighting technology with cardanic suspension, optimised for mounting in channels**

The principle of cardanic suspension with Gimbal Basic recessed spotlights translates into an especially precise, comfortable swivel mechanism. It is not only more compact than standard versions, but the centre of the light unit maintains its position during alignment – as a result Gimbal Basic is ideal as a tool for lighting concepts with ceiling channels. The luminaire can also be simply installed in on-location ceiling channels thanks to its special mounting bracket.

Several sizes and wattages with various light distributions create lively, nuanced and flexible lighting concepts. Applications are retail projects, hotels and restaurants as well as buildings where lighting designers plan discreet and effective lighting from ceiling channels or coves.

**Related ranges**

<table>
<thead>
<tr>
<th>Range</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gimbal with mounting bracket</td>
<td>Recessed spot-lights, floodlights, wallwashers</td>
<td>282</td>
</tr>
<tr>
<td>Gimbal</td>
<td>Recessed spot-lights, floodlights, wallwashers</td>
<td>270</td>
</tr>
<tr>
<td>Gimbal Basic</td>
<td>Recessed spot-lights, floodlights, wallwashers</td>
<td>276</td>
</tr>
</tbody>
</table>
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. ERCO Spheralit lens
   - Light distributions: spot, flood, wide flood, oval flood or wallwash
   - Oval flood 360° rotation

2. ERCO LED-module
   - Chip-on-board LED: warm white (2700K or 3000K), neutral white (3500K or 4000K) or Fashion (3000K)
   - Collimating lens made of optical polymer

3. Luminaire
   - Black
   - Cast aluminium, powder-coated
   - Gimbal suspension: polymer
   - Pivotable through 0°–40°, pivotable through 60° in the longitudinal direction of the channel
   - Mounting bracket: steel, powder-coated

4. Control gear
   - Switchable or DALI dimmable

Variants on request
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/gimbal-basic-cc
**Cardanic suspension**
Especially with high ceilings, small swivel movements have a strong effect on the position of the light beam - cardanic suspension facilitates precise luminaire alignment in such cases.

**Oval flood freely rotatable**
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

**Ideal for ceiling channels**
The compact design and central pivot point predestine some luminaires for installation in ceiling channels.

**Shallow recess depth**
In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

**Special characteristics**
- Oval flood, freely rotatable
- Gimbal suspension
- Ideal for ceiling channels
- Shallow recess depth
- ERCO chip-on-Board LED
- Efficient Spherolit technology
- Different light distributions
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Pivotable through 40°
- Accessory for maximum visual comfort
- Switchable
- DALI dimmable

**Gimbal Basic with mounting bracket** Recessed spotlights, floodlights, wallwashers

ERCO Program 2020 291
<table>
<thead>
<tr>
<th>Construction size</th>
<th>Ø 118mm</th>
<th>Ø 150mm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LED module</strong></td>
<td>10W/1635lm</td>
<td>21W/3270lm</td>
</tr>
<tr>
<td>Maximum value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>at 4000K CRI 82</td>
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</tbody>
</table>

### Light colour

<table>
<thead>
<tr>
<th>Colour (housing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
</tr>
<tr>
<td>10,000 colours *</td>
</tr>
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</table>

### Light distribution

<table>
<thead>
<tr>
<th>Light</th>
<th>Recessed spotlights</th>
<th>Recessed floodlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spot</td>
<td>Ø 118mm</td>
<td>Ø 150mm</td>
</tr>
<tr>
<td>Flood</td>
<td>Ø 118mm</td>
<td>Ø 150mm</td>
</tr>
<tr>
<td>Wallwash</td>
<td>Ø 118mm</td>
<td>Ø 150mm</td>
</tr>
</tbody>
</table>

### Accessories

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<tr>
<td>Lenses</td>
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<tr>
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</tr>
<tr>
<td>Honeycomb</td>
</tr>
<tr>
<td>Anti-glare screen</td>
</tr>
</tbody>
</table>
### Gimbal Basic with mounting bracket

**Recessed spotlights, recessed floodlights, recessed wallwashers**

* available on request

**36W/5810lm**

- **2700K CRI 82**
- **3500K CRI 92**
- **2700K CRI 92**
- **4000K CRI 82**
- **3000K CRI 82**
- **4000K CRI 92**
- **3000K CRI 92**
- **Fashion**

<table>
<thead>
<tr>
<th>Recessed spotlights</th>
<th>Recessed floodlights</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spot</strong></td>
<td><strong>Wide flood</strong></td>
</tr>
<tr>
<td><strong>Flood</strong></td>
<td><strong>Oval flood</strong></td>
</tr>
<tr>
<td>Recessed lens wallwashers</td>
<td><strong>Wallwash</strong></td>
</tr>
</tbody>
</table>

**Switchable**

**DALI**

**Black**

**10,000 colours**

Article numbers and planning data:
www.erco.com/019316

Design and application:
www.erco.com/gimbal-basic-cc
Cantax – Minimalism in the system

Individually adjustable recessed spotlight with differentiated light distributions
With the Cantax recessed luminaire, ERCO has added a new version to this successful range of track spotlights. Clear lines, brilliant light and precise light distributions set this luminaire apart as the ideal lighting tool for shops and museums. In high and low rooms, different sizes and shallow recess depths facilitate the integration into the ceiling. Thanks to the tiltable and rotatable luminaire head, the recessed spotlight can be adjusted individually. The highly efficient system consisting of collimating and interchangeable Spherolit lenses provides the designer with a wide variety of light distributions – be it for precise accent lighting using narrow spot, the washlighting of horizontal product displays with oval flood or the uniform illumination of shelves using wallwashing.

Related ranges
Cantax
for track 220-240V
Page 212
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
- Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
- Oval flood adjustable through 90°

2 ERCO LED-module
- High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
- Collimating lens made of optical polymer

3 Flush cassette
- Polymer, white

4 Mounting ring
- Covered mounting detail
- Fixing for ceiling thicknesses of 1-30mm
- Polymer, white
- For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5–25mm

5 Luminaire
- White (RAL 9002)
- Cast aluminium, powder-coated
- 0°-90° tilt, 360° rotation
- Frame: polymer

6 Control gear
- Switchable, phase dimmable or DALI dimmable
- Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Housing: 10,000 further colours
- Ceiling channel system
- Please contact your ERCO consultant.

Design and application:
www.erco.com/cantax-r
Pivotable through 90°

The luminaires can be adjusted precisely for optimum beam alignment. The light is thus emitted to precisely where it is required.

Covered or flush mounting detail

As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.

Shallow recess depth

In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

Special characteristics

- Pivotable through 90°
- Flush or covered mounting detail
- Shallow recess depth
- ERCO high-power LEDs
- Efficient Spherolit technology
- Excellent thermal management
- EMC-optimised
- Different light distributions
- Various construction sizes
- Tool-free mounting
- Different light colours
- Accessory for maximum visual comfort
- Switchable
- Phase dimmable
- DALI dimmable

Cantax Recessed spotlights, floodlights, wallwashers
Cantax Recessed spotlights, recessed floodlights, recessed wallwashers

**Accessories**

- Lenses
- Mounting ring
- Cover ring
- Snoots
- Compensation set

**Construction size**

- Ø 177mm
- Ø 221mm

**LED module**

Maximum value at 4000K CRI 82

- 6W/825lm
- 2W/275lm (Narrow spot)

- 12W/1650lm
- 8W/1100lm (Narrow spot)

**Light colour**

- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

**Light distribution**

- Recessed spotlights
  - Narrow spot
  - Spot
  - Flood
  - Recessed lens wallwashers
- Recessed floodlights
  - Wide flood
  - Extra wide flood
  - Oval flood
- Wallwash

**Control**

- Switchable
- Phase dimmable
- DALI

**Colour (housing)**

- White
  - 10,000 colours *

---

298  ERCO Program 2020
24W/3300lm 18W/2475lm (Narrow spot)

Recessed spotlights
- Narrow spot
- Spot
- Flood

Recessed floodlights
- Wide flood
- Extra wide flood
- Oval flood

Recessed lens wallwashers
- Wallwash

Switchable
Phase dimmable
DALI

White
10,000 colours *

* available on request

Article numbers and planning data:
www.erco.com/015730

Design and application:
www.erco.com/cantax-r
Light Board – Perfect floodlighting made easy

**Recessed floodlights and wallwashers with shallow recess depths for sophisticated lighting in museums, galleries and shops**

The Light Board recessed floodlight with an oval flood distribution provides uniquely effective illumination for display cabinets and merchandising tables with a distinctive elliptical beam. Walls, shelves or large exhibits are best illuminated using the wallwasher version. The luminaire can easily be moved into the required position thanks to a very flexible adjustment range. Use the RGBW luminaire together with a DALI control system to bathe walls or objects in coloured light, or, by controlling the colour temperature of the white light, you can optimise Light Board for the colours of the illuminated products or objects. Modern lighting installation may often benefit from, or even demand, flexible components. With Light Board, the static recessed versions have flexible, track-mounted equals delivering design consistency throughout your project.

**Related ranges**

Light Board
for track
220-240V
Page 194
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO Spherolit lens**
   - Light distributions: extra wide flood, oval flood or wallwash
   - Oval flood adjustable through 90°

2. **ERCO LED-module**
   - High-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K) or RGBW
   - Collimating lens made of optical polymer
   - RGBW with highly reflective colour mixer

3. **Housing of floodlight, wallwasher**
   - White (RAL9002)
   - Cast aluminium, powder-coated
   - 0°-90° tilt
   - Front cover: polymer

4. **Mounting frame**
   - Covered mounting detail
   - Fixing for ceiling thicknesses of 1-30mm
   - Polymer, white
   - For flush mounting: mounting frame to be ordered separately, fixing for ceiling thicknesses of 12.5–25mm

5. **Recessed housing**
   - Metal, Black

6. **Control gear**
   - Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

**Variants on request**
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Housing: 10,000 further colours
- Ceiling channel system
Please contact your ERCO consultant.

Design and application:
www.erco.com/light-board-r
Using coloured light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate coloured light very efficiently and flexibly.

The luminaires can be adjusted precisely for optimum beam alignment. The light is thus emitted to precisely where it is required.

As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.

Special characteristics

- Coloured light
- Pivotable through 90°
- Flush or covered mounting detail
- ERCO high-power LEDs
- Efficient Spherolit technology
- Different light colours
- Excellent thermal management
- EMC-optimised
- Tool-free mounting
- Accessory for maximum visual comfort
- Switchable
- Phase dimmable
- DALI dimmable
- Casambi Bluetooth
**Light Board** Recessed floodlights, recessed wallwashers

**Construction size**
- 221mm

**LED module**
- Maximum value at 4000K CRI 82
- 24W/3300lm
- 30W/1900lm

**Light colour**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92
- RGBW

**Light distribution**
- Recessed floodlights
  - Extra wide flood
  - Oval flood
- Recessed lens wallwashers
  - Wallwash

**Control**
- Switchable
- DALI
- Phase dimmable
- Casambi Bluetooth

**Colour (housing)**
- White
- 10,000 colours *

**Accessories**
- Lenses
- Mounting frame
- Snoots
China Design Museum, Hangzhou.
Architecture: Álvaro Siza, Porto.
Photography: Jackie Chan, Sydney.
ERCO ceiling channel system Overview

1 Individual dimensions
Delicate lines with light or a multifunctional ceiling channel – basic units allow the ERCO ceiling channel system to be freely configured. Where required, standard elements can be modified in terms of length, width and depth according to project needs. As an individual element of design, the recess between the insertion plate and lower ceiling edge can be defined.

Modular ceiling channel system
The ERCO ceiling channel system is simply configured using basic units. Dimensions can also be individually modified on request. The minimum dimensions are determined by the technical fixtures. Please see the data sheets for appropriate installation dimensions for ERCO luminaires.

Lines that trace the architecture
Single basic ceiling channel units can be interconnected to create various channel lengths.

Offset between insertion plate and lower ceiling edge
Ceiling-flush or offset – the recess between the insertion plate and lower ceiling edge can be defined in advance.
2 Precisely fitting insertion plates
The ERCO ceiling channel is designed as a system with a closed appearance from below. Insertion plates that are removable without tools accommodate the luminaires or other technical fittings. The recess between the inset panels and lower ceiling edge is freely definable.

Insertion plates for recessed luminaires
All ERCO recessed luminaires as well as recessed spotlights, floodlights and wallwashers can be integrated into the ERCO ceiling channel system using precisely fitting insertion plates.

Closed insertion plates
Blank modules close the channel in areas without fittings. In this way cabling, control gear and electrical distributors can be accommodated in the ceiling channel system away from view and without major installation effort.

Fitting examples
- 2 x Gimbal 81998 (12W, oval flood)
- 3 x Pollux based on 73292 (6W, spot)

Mounting details
- suspended plasterboard ceiling
- intermediate ceiling space 200mm
- overlapping connection

3 Simple mounting
The ERCO ceiling channel is designed for mounting with commercially available, on site suspension systems. Large openings on the back of the channel facilitate intervention into the ceiling’s intermediate space during installation. Cabling can be routed openly in the channel and this is not visible from the room due to the insertion plates.

Mounting with standard suspension systems
The ERCO ceiling channel system is factory-supplied with eyelets. CD profiles can also be ordered as an option for fixing. In this way suspensions can be selected on site according to the specifically used ceiling.

Flush ceiling fixing is possible
Depending on their connected load, several ERCO luminaires can be connected to one control unit via terminals.

Example
1 Geometry
- length 1800mm
- width 250mm
- recess 30mm

2 Fittings
- 2 x Gimbal 81998 (12W, oval flood)
- 3 x Pollux based on 73292 (6W, spot)

3 Mounting details
- suspended plasterboard ceiling
- intermediate ceiling space 200mm
- overlapping connection

ERCO Program 2020
Integrated. Versatile. 
Recessed luminaires

With recessed luminaires the luminaire is completely subordinate to its lighting effect. The lighting tools are hardly noticed as an additional element of design, being fully integrated into the architecture. The building and its spaces within reveal themselves in an interplay of surfaces and light – light with outstanding visual comfort that covers the entire spectrum from accentuating beams of light to wallwashing.

Overview of all ranges: from page 314
www.erco.com/downlights-r
Light for the office

- Office lighting with high visual comfort for pleasant working conditions
- Very small ceiling detail due to compact luminaire dimensions
- Standard-compliant office lighting

Products used: Compar linear page 390

Light for welcoming

- Uniform wallwashing achieves a wide spatial impression
- Welcoming visitors: displaying wall structures with grazing light
- Pleasant impression of brightness due to light on vertical surfaces

Products used: Compar linear (left) page 390 Lightgap (right) page 396

Light for enjoying

- Directional spotlights have the appearance of a downlight but are adjustable like a spotlight
- Brilliant light emphasises the innate value of shiny surfaces
- High colour rendering creates an appetite for food and beverages

Products used: Quintessence square page 324
Recessed luminaires Application examples

Meetings in perfect light
- Cylindrical illuminances for ideal facial recognition
- Oval wide flood light distribution for uniform illumination of tables
- Vertical lighting creates a bright and prestigious spatial impression
Products used: Compar linear page 390

Light for art appreciation
- Uniform wallwashing serves as neutral background
- Wide luminaire spacing reduces project costs
- Flicker-free light for filming and mobile phone images without imperfections
Products used: Quintessence round page 316
Light for high rooms

- Large lumen packages generate high illuminance levels on the target surface
- Luminaires with darklight reflectors ensure high visual comfort
- Dimmable down to 0.1% for smooth fade-outs

Products used:
Quintessence round page 316
These lighting tools solve your lighting tasks

Looking for downlights with tunable white for your Human Centric Lighting concept?

- Simulating the spectral course of daylight
- Colour temperature from 2700K to 6500K
- Simple operation via DALI

You'd like to display objects with use of minimal luminaire openings?

- Small light emission aperture
- Almost invisible detail in the ceiling
- Rich-contrast accent lighting

Tunable white technology for dynamic general lighting

Pinhole directional spotlights for accentuations with narrow light distributions

Quintessence round page 316
Quintessence square page 324
Quintessence Pinhole page 332
Quintessence Pinhole Basic page 338
You'd like to welcome guests with prestigious foyer lighting?

Wallwashing for a prestigious appearance

- Bright walls create an extensive impression of space
- Planar lighting up to a height of 8m and more with wallwashers
- Grazing light emphasises textures

You need economical office lighting that conforms to standards?

Downlights for standard-compliant office lighting

- Luminaires with UGR<16
- Oval wide flood light distribution for illuminating office workplaces
- Low project costs due to wide luminaire spacing
Round, square or linear

The design of ERCO recessed luminaires offers almost any light distribution – thanks to lens technology that’s independent of the luminaire geometry.

This distinguishes our recessed luminaires

Wallwashing in all its facets

ERCO wallwashers are the specialists for vertical lighting with wall heights of 8m and more: ranging from uniform wallwashing in foyers and highly attractive grazing light on structured walls to precise double wallwashing in corridors.

Luminaires for high rooms

Precise illumination in high rooms with up to 10,000lm: ERCO LED downlights offer high illuminances and outstanding visual comfort.

Tunable white technology

Just as the outdoor colour temperature changes during the day, the colour temperature of lighting indoors can be adjusted to support lighting concepts for Human Centric Lighting for example.

Safe is safe

Recessed luminaires with IEC/EN certification are suitable for emergency lighting.

2,700K 6,500K

wide flood > 45°
extra wide flood > 80°
oval flood approx. 20°x60°
double wallwash
Connectivity

Wireless or wired?
With technologies such as Casambi Bluetooth and DALI we always offer you the right interface.

Extremely durable

Due to their excellent maintenance of luminous flux, ERCO luminaires feature high investment security: L90/B10 with up to 50,000 operating hours. At 9 hours a day, this means over 15 years of low-maintenance operation with outstanding photometric characteristics – ideal for difficult-to-access installation locations.

Shallow recess depth

In tight installation situations every millimetre is decisive. Just 75mm is sufficient for especially flat recessed luminaires.

Very high visual comfort

Darklight reflectors or anti-dazzle louvres: both enable standard-compliant office lighting with UGR<19.

Setting magical accents with directional spotlights

Directional spotlights blend almost invisibly into the architecture. They combine the appearance of a downlight with the adjustment capability of a spotlight.

Light for video meetings

The light of our luminaires with in-house developed driver is flicker-free and therefore ideal for video conferences in offices or meeting rooms.

Customise

“ERCO individual” offers extensive options for the individualisation of product ranges:

www.erco.com/individual

Connectivity

Wireless or wired?
With technologies such as Casambi Bluetooth and DALI we always offer you the right interface.

Products with these features can be found on the next page.

Directional spotlight light distributions: narrow spot < 10°, spot 10°–20°, flood 25°–35°

oval wide flood approx. 55°x 90°
Recessed luminaires

Downlights, wallwashers and directional luminaires

Quintessence round
- Tunable white
- Very high visual comfort due to darklight technology
- Community, Work

Quintessence square
- Tunable white and RGBW available
- Very high visual comfort due to darklight technology
- Community, Work

Quintessence Pinhole
- Directional luminaire pivotable through 30°
- Almost invisible light source
- Precise accenting
- Shop

Quintessence Pinhole Basic
- Directional luminaire pivotable through 30°
- Spot light distribution
- Very good price-performance ratio
- Shop

Atrium double focus
- Downlights and wallwashers
- Ideal for very high rooms and inclined ceilings
- Very high visual comfort
- Community

Starpoint
- Downlights with low recess depth
- Small size
- Hospitality, Living

Skim
- Downlights from UGR<16
- Very good price-performance ratio
- Magically luminous lens
- Community, Work

Compact
- Downlights, wallwashers and double wallwashers
- Shallow recess depth
- Five sizes
- Work, Community

Quadra
- Downlights, wallwashers and double wallwashers
- Shallow recess depth
- Work, Community
Recessed luminaires

Downlights, wallwashers and directional luminaires

Jilly square 378
Downlights with low recess depth
For office workstation lighting as of UGR<16
Anti-glare louvre in various colours
Work

Jilly linear 384
Downlights with low recess depth
For office workstation lighting as of UGR<16
Anti-glare louvre in various colours
Work

Compar linear 390
Downlights and wallwashers with extremely narrow ceiling detail
For office workstation lighting as of UGR<16
Five light distributions
Community, Work

Grazing light wallwasher

Lightgap 396
Impressively uniform grazing light
Invisible light source
Continuous luminaire configurations possible
Hospitality, Community
Quintessence round – The system solution for excellent visual comfort

Large luminaire spacing, high uniformity and excellent visual comfort
Quintessence sets standards in terms of visual comfort, efficiency and quality of light for recessed luminaires. The high-efficiency product family consists of downlights, lens wallwashers and directional spotlights in round and square designs. Characteristic of Quintessence downlights and lens wallwashers is their good glare control and high uniformity of illumination. The 90° beam angle and a 40° cut-off allow wide luminaire spacing between downlights and therefore high-quality, efficient ambient lighting. Tunable white technology also enables the colour temperature of the light to be modified. Human Centric Lighting concepts are thus supported, matched to the incident daylight.

Related ranges

- Quintessence square
  Recessed luminaires
  Page 326
- Quintessence round
  Surface-mounted luminaires
  Page 410
- Quintessence round
  Pendant luminaires
  Page 466
- Quintessence round
  Recessed luminaires
  Page 718
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO darklight reflector
   - Downlight: cut-off angle 40°
   - Polymer, aluminium vapourised, mirror-finish
   - Wallwasher reflector
   - Cut-off angle 80°
   - Polymer, aluminium vapourised, mirror-finish

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Chip-on-board LED: tunable white (2700-6500K)
   - Directional luminaire with collimating lens made of optical polymer

3 Diffuser or lens
   - Made of optical polymer
   - Diffuser lens, wide flood, extra wide flood or lens system, wallwash
   - Directional luminaire with SpheroLite lens narrow spot, spot or flood

4 Mounting ring
   - Covered mounting detail
   - Fixing for ceiling thicknesses of 1-25mm (size 3-4) or 1-30mm (size 5-7)
   - Polymer, white
   - For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5-25mm

5 Housing
   - Cast aluminium, designed as heat sink
   - Rotatable through 360°
   - Fixing ring: polymer, black
   - Fixing of the beam direction
   - Directional luminaire: 0°-30° tilt. Lockable angles of tilt and rotation

6 Control gear
   - Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request

- Reflector: coated matt gold, matt silver or matt champagne
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Mounting ring: 10,000 further colours
- Ceiling channel system
  Please contact your ERCO consultant.

Design and application:
www.erco.com/quintessence-round
Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

Very high visual comfort
The darklight reflector combines maximum visual comfort with an optimum light output ratio.

Tunable white technology
Just as the colour temperature outdoors changes continuously during the day, the colour temperature of indirect lighting can be adjusted indoors to e.g. Support lighting concepts for Human Centric Lighting.

Covered or flush mounting detail
As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.

Special characteristics
- Excellent visual comfort
- Tunable white
- Excellent thermal management
- Cut-off 40°/80°
- Various construction sizes
- Lockable
- Tool-free mounting
- Switchable
- Phase dimmable
- DALI dimmable
- Casambi Bluetooth

ERCO high-power LEDs
Efficient Spherolit technology
Various construction sizes
Lockable
Tool-free mounting
Switchable
Phase dimmable
DALI dimmable
Casambi Bluetooth

ERCO Program 2020 321
Quintessence round Recessed luminaires

**Construction size**

Size 3

**LED module**

Maximum value at 4000K CRI 82

- 12W/1650lm
- 2W/275lm (Narrow spot)
- 12W/1600lm

**Light colour**

- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

**Light distribution**

- Downlights
  - Wide flood
  - Extra wide flood
  - Lens wallwashers
- Directional luminaires
  - Narrow spot
  - Spot
  - Flood

**Control**

- Switchable
- DALI
- Phase dimmable
- Casambi Bluetooth
- DALI

**Accessories**

- Concrete mounting enclosure
- Spacer plate
- Compensation set
- Mounting ring
- Mounting plate for panelled ceilings
- Cover ring
Size 4

18W/2475lm

3W/410lm [Narrow spot]

18W/2100lm

2700K CRI 92

3500K CRI 92

3000K CRI 92

4000K CRI 82

3000K CRI 97

4000K CRI 92

Downlights

Directional luminaires

Wide flood

Narrow spot

Extra wide flood

Spot

Lens wallwashers

Flood

Wallwash

Switchable

DALI

Phase dimmable

Casambi Bluetooth

Tunable white

* available on request

Article numbers and planning data:

www.erco.com/014091

Design and application:

www.erco.com/quintessence-round
Quintessence round Recessed luminaires

**Construction size**

Size 5

**LED module**

Maximum value at 4000K CRI 82

<table>
<thead>
<tr>
<th>24W/3300lm</th>
<th>6W/825lm (Narrow spot)</th>
<th>18W/2400lm</th>
</tr>
</thead>
</table>

**Light colour**

- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92
- Tunable white

**Light distribution**

Downlights
- Wide flood
- Extra wide flood
- Lens wallwashers
- Wallwash

Directional luminaires
- Narrow spot
- Spot
- Flood

**Control**

- Switchable
- DALI
- Phase dimmable
- Casambi Bluetooth

**Accessories**

- Concrete mounting enclosure
- Spacer plate
- Compensation set
- Mounting ring
- Mounting plate for panelled ceilings
- Cover ring
Downlights Directional luminaires

<table>
<thead>
<tr>
<th>Lens wallwashers</th>
<th>Wide flood</th>
<th>Extra wide flood</th>
<th>Narrow spot</th>
<th>Spot</th>
<th>Flood</th>
<th>Wallwash</th>
</tr>
</thead>
</table>

Switchable | DALI | Phase dimmable | Casambi Bluetooth |

32W/4400lm | 8W/1100lm (Narrow spot)

2700K CRI 92 | 3500K CRI 92
3000K CRI 92 | 4000K CRI 82
3000K CRI 97 | 4000K CRI 92

* available on request

Article numbers and planning data:
www.erco.com/014091

Design and application:
www.erco.com/quintessence-round
Quintessence square – The system solution for excellent visual comfort

Large luminaire spacing, high uniformity and excellent visual comfort
Quintessence sets standards in terms of visual comfort, efficiency and quality of light for recessed luminaires. The high-efficiency product family consists of downlights, lens wallwashers and directional spotlights in round and square designs. Characteristic of Quintessence downlights and lens wallwashers is their good glare control and high uniformity of illumination. The 90° beam angle and a 40° cut-off allow wide luminaire spacing between downlights and therefore high-quality, efficient ambient lighting. Tunable white technology also enables the colour temperature of the light to be modified. Human Centric Lighting concepts are thus supported, matched to the incident daylight.

Related ranges

- **Quintessence round**
  - Recessed luminaires
  - Page 318
- **Quintessence round**
  - Surface-mounted luminaires
  - Page 410
- **Quintessence round**
  - Pendant luminaires
  - Page 466
- **Quintessence round**
  - Recessed luminaires
  - Page 718
**Structure and characteristics**

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO darklight reflector**
   - Downlight: cut-off angle 40°
   - Aluminium, anodised, satin matt or
   - Wallwasher reflector
     - Cut-off angle 80°
     - Aluminium, anodised, satin matt

2. **ERCO LED-module**
   - High-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K) or RGBW
   - Chip-on-board LED: tunable white (2700-6500K)
   - Directional luminaire with collimating lens made of optical polymer

3. **Diffuser or lens**
   - Made of optical polymer
   - Diffuser lens, wide flood, extra wide flood or lens system, wallwash
   - Directional luminaire with Spheroil lens narrow spot, spot or flood

4. **Mounting frame**
   - Covered mounting detail
   - Fixing for ceiling thicknesses of 1-30mm
   - Polymer, white
   - For flush mounting: mounting frame to be ordered separately, fixing for ceiling thicknesses of 12.5-25mm

5. **Housing**
   - Cast aluminium, designed as heat sink
   - Fixing frame: polymer, black
   - Directional luminaire: 0°-20° tilt, 360° rotation. Lockable angles of tilt and rotation

6. **Control gear**
   - Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

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**Variants on request**
- Reflector: coated matt gold, matt silver or matt champagne
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Mounting frame: 10,000 further colours
- Ceiling channel system
Please contact your ERCO consultant.
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

**Suitable for office workstations**

The darklight reflector combines maximum visual comfort with an optimum light output ratio.

**Very high visual comfort**

**Coloured light**

Using coloured light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate coloured light very efficiently and flexibly.

**Tunable white technology**

Just as the colour temperature outdoors changes continuously during the day, the colour temperature of indirect lighting can be adjusted indoors to e.g. support lighting concepts for Human Centric Lighting.

**Covered or flush mounting detail**

As standard, all recessed luminaires have overlapping installation details. Flush mounting frames are available as accessories.

**Special characteristics**

- Excellent visual comfort
- For office workstation lighting from UGR 18.5
- Coloured light
- Tunable white
- Flush or covered mounting detail

**ERCO high-power LEDs**

- Efficient Spherolit technology
- Cut-off 40°/80°

**Excellent thermal management**

- EMC-optimised
- Various construction sizes
- Lockable

**Switchable**

- Phase dimmable
- DALI dimmable
- Casambi Bluetooth

**Tool-free mounting**
Quintessence square  Recessed luminaires

Construction size
- Size 3

LED module
- Maximum value at 4000K CRI 82
- 12W/1650lm
- 2W/275lm (Narrow spot)
- 12W/1600lm

Light colour
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- Tunable white

Light distribution
- Downlights
  - Wide flood
  - Extra wide flood
  - Lens wallwashers
- Directional luminaires
  - Narrow spot
  - Spot
  - Flood

Control
- Switchable
- DALI
- Phase dimmable
- Casambi Bluetooth

Accessories
- Concrete mounting enclosure
- Mounting frame, 2x
- Mounting plate for panelled ceilings
- Mounting frame
- Spacer plate
- Cover frame
### Downlights

<table>
<thead>
<tr>
<th>Luminaires</th>
<th>Directional luminaires</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wide flood</td>
<td>Narrow spot</td>
</tr>
<tr>
<td>Extra wide flood</td>
<td>Spot</td>
</tr>
<tr>
<td>Lens wallwashers</td>
<td>Flood</td>
</tr>
</tbody>
</table>

### Specifications

<table>
<thead>
<tr>
<th>Power (W)</th>
<th>Lumen (lm)</th>
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<td>18</td>
<td>2475</td>
</tr>
<tr>
<td>3</td>
<td>410</td>
</tr>
</tbody>
</table>

### Color Temperatures

- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 4000K CRI 82
- 4000K CRI 92

### Dimming Options

- Switchable DALI
- Phase dimmable Casambi Bluetooth
- Tunable white
- Phase dimmable

* available on request
**Quintessence square** Recessed luminaires

**Construction size**
- Size 5

**LED module**
- Maximum value at 4000K CRI 82
- Size 5

**Light colour**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- Tunable white
- RGBW

**Light distribution**
- Downlights
  - Wide flood
  - Extra wide flood
  - Lens wallwashers
- Directional luminaires
  - Narrow spot
  - Spot
  - Flood
- Wallwash

**Control**
- Switchable
- Phase dimmable
- DALI
- Casambi Bluetooth

**Accessories**
- Concrete mounting enclosure
- Mounting frame, 2x
- Mounting plate for panelled ceilings
- Mounting frame
- Spacer plate
- Cover frame

**Maximum value at 4000K CRI 82**
- 24W/3300lm
- 6W/825lm (Narrow spot)
- 18W/2400lm
- 22W/1570lm

**Light colour distribution**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- Tunable white
- RGBW

**Control options**
- Switchable
- Phase dimmable
- DALI
- Casambi Bluetooth

**Documents and Data**
ERCO Program 2020
Size 7

32W/4400lm  8W/1100lm [Narrow spot]

2700K CRI 92  3500K CRI 92
3000K CRI 92  4000K CRI 82
3000K CRI 97  4000K CRI 92

Downlights          Directional luminaires

- Wide flood       - Narrow spot
- Extra wide flood - Spot
- Lens wallwashers - Flood
- Wallwash

Switchable  DALI
Phase dimmable  Casambi Bluetooth

* available on request

Article numbers and planning data:
www.erco.com/014092
Design and application:
www.erco.com/quintessence-square
Quintessence Pinhole – Pinpoint accentuation

Minimalist, precise directional spotlights for brilliant effects in the shop
Quintessence Pinhole directional spotlights confidently accent individual objects in the shop. Only a small light emission aperture can be seen in the ceiling. The luminaire therefore blends elegantly into the ceiling and almost disappears as merely a technical detail. The linear opening allows the luminaire head to be swivelled in the ceiling. A supplementary rotary mechanism also enables precise alignment. Quintessence Pinhole directional spotlights epitomise the approach of ‘light instead of luminaire’ to guide the attention of the customer.

Related ranges

<table>
<thead>
<tr>
<th>Luminaire Type</th>
<th>Page</th>
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<tbody>
<tr>
<td>Quintessence Pinhole Basic</td>
<td>340</td>
</tr>
<tr>
<td>Quintessence round</td>
<td>318</td>
</tr>
<tr>
<td>Quintessence round</td>
<td>252</td>
</tr>
<tr>
<td>Quintessence square</td>
<td>258</td>
</tr>
</tbody>
</table>
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherotit lens
   - Light distribution: narrow spot
2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer
3 Cover with anti-glare cone
   - White
   - Light emission aperture 72x35mm, interior black
   - Cut-off angle 50°
   - Polymer
4 Mounting ring
   - Covered mounting detail
   - Fixing for ceiling thicknesses of 1-25mm
   - Polymer, white
   - For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5–25mm
5 Housing
   - Cast aluminium, designed as heat sink
   - 0°-30° tilt
   - Fixing ring: polymer, black
   - Rotatable through 360°. Angle of rotation lockable
6 Control gear
   - Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Cover and mounting ring: 10,000 further colours
- Ceiling channel system
Please contact your ERCO consultant.
Very high visual comfort
ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

Covered or flush mounting detail
For minimalist designs, ERCO also offers luminaires with flush mounting details.

Special characteristics
- Excellent visual comfort
- ERCO high-power LEDs
- Efficient Spherolit technology
- Cut-off 50°
- Different light colours
- Excellent thermal management
- EMC-optimised
- Lockable
- Tool-free mounting
- Switchable
- Phase dimmable
- DALI dimmable
- Casambi Bluetooth
**Quintessence Pinhole Recessed luminaires**

**Construction size**
- Size 3

**LED module**
- Maximum value at 4000K CRI 82
- 2W/275lm
- 3W/410lm

**Light colour**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

**Light distribution**
- Directional luminaires
- Narrow spot

**Control**
- Switchable
- DALI
- Phase dimmable
- Casambi Bluetooth

**Colour (housing)**
- White
- 10,000 colours *

**Accessories**
- Concrete mounting enclosure
- Spacer plate
- Compensation set
- Mounting ring
- Mounting plate for panelled ceilings
- Cover ring
**Quintessence Pinhole Basic – Pinpoint accentuation**

Minimalist, precise directional spotlights for brilliant effects in the shop

Quintessence Pinhole Basic directional spotlights confidently accent individual objects in the shop. Only a small light emission aperture can be seen in the ceiling. The luminaire therefore blends elegantly into the ceiling and almost disappears as merely a technical detail. The linear opening allows the luminaire head to be swivelled in the ceiling. A supplementary rotary mechanism also enables precise alignment. Quintessence Pinhole Basic directional spotlights epitomise the approach of 'light instead of luminaire' to guide the attention of the customer.

**Related ranges**

- **Quintessence Pinhole**
  - Recessed luminaires
  - Page 334

- **Quintessence round**
  - Recessed luminaires
  - Page 318

- **Quintessence round**
  - Recessed spotlights, recessed floodlights
  - Page 252

- **Quintessence square**
  - Recessed spotlights, recessed floodlights
  - Page 258
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. ERCO Spherolit lens
   - Light distribution: spot

2. ERCO LED-module
   - Chip-on-board LED: warm white (2700K or 3000K), neutral white (3500K or 4000K) or Fashion (3000K)
   - Collimating lens made of optical polymer

3. Cover with anti-glare cone
   - White
   - Light emission aperture 72x35mm, interior black
   - Cut-off angle 30°
   - Polymer

4. Mounting ring
   - Covered mounting detail
   - Fixing for ceiling thicknesses of 1-25mm
   - Polymer, white
   - For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5-25mm

5. Housing
   - Cast aluminium, designed as heat sink
   - 0°-30° tilt
   - Fixing ring: polymer, black
   - Rotatable through 360°. Angle of rotation lockable

6. Control gear
   - Switchable or DALI dimmable

Variants on request

- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Cover and mounting ring: 10,000 further colours
- Ceiling channel system

Please contact your ERCO consultant.

Design and application:
www.erco.com/quintessence-ph-basic
Very high visual comfort
ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

Covered or flush mounting detail
For minimalist designs, ERCO also offers luminaires with flush mounting details.

**Special characteristics**
- Excellent visual comfort
- ERCO chip-on-Board LED
- Efficient Spherolit technology
- Cut-off 30°
- Different light colours
- Excellent thermal management
- EMC-optimised
- Lockable
- Tool-free mounting
- Switchable
- DALI dimmable

Quintessence Pinhole Basic
Recessed luminaires
Quintessence Pinhole Basic Recessed luminaires

Construction size
Size 3

LED module
Maximum value at 4000K CRI 82
10W/1635lm

Light colour
- 2700K CRI 82
- 3000K CRI 82
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92
- 3000K CRI 92 Fashion

Light distribution
- Directional luminaires
  - Spot

Control
- Switchable
- DALI

Colour (housing)
- White
- 10,000 colours *

Accessories
- Concrete mounting enclosure
- Spacer plate
- Compensation set
- Mounting ring
- Mounting plate for panelled ceilings
- Cover ring
Atrium double focus – Sophisticated light for high rooms

The lighting tool for perfectly glare-free light from the ceiling

Atrium double focus downlights are especially suitable for high rooms thanks to their high luminous flux and specific light distributions. The lens systems consisting of a collimator and Spherolit lens generate narrow downlight distributions, or as wallwashers create efficient, precise and highly uniform vertical lighting even at small distances to the wall. The black anti-glare cone achieves a discreet appearance with all versions, and also minimises the glare for high visual comfort when looking into the luminaire. Concentrated general lighting is thus created in low rooms. For rooms with inclined ceilings, a recessed version is available that compensates for inclination angles up to 30°. In-house developed control gear enables uniform operating behaviour of luminaire groups and dimming down to 1% – important for use as hall lighting in cinemas, theatres and concert auditoriums.

Related ranges

Atrium double focus
Surface-mounted luminaires
Page 416

Atrium double focus
Pendant luminaires
Page 472
**Structure and characteristics**

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO Spherolit lens**
   - Light distributions: flood, wide flood or wallwash

2. **ERCO LED-module**
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

3. **Anti-glare cone**
   - Optical cut-off 40°
   - Black lacquered
   - or
   - Anti-glare ring (double-focus for inclined ceilings)
   - Cast aluminium or polymer, external white, internal black

4. **Mounting ring**
   - Covered mounting detail
   - Fixing for ceiling thicknesses of 1-25mm (size 3-4) or 1-30mm (size 5-10)
   - Polymeric, white
   - For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5-25mm

5. **Housing**
   - Cast aluminium, designed as heat sink
   - Rotatable through 360°
   - For inclined ceilings: 0°-30° tilt
   - Lockable angles of tilt and rotation

6. **Control gear**
   - Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

**Variants on request**
- Anti-glare cone: coated matt gold, matt silver or matt champagne
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Mounting ring: 10,000 further colours
- Ceiling channel system
  Please contact your ERCO consultant.

**Design and application:**
www.erco.com/atrium-df
Very high visual comfort
ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

Outstanding uniformity
To meet the stringent standards of vertical illuminance, ERCO has developed luminaires specifically to produce exceptionally uniform levels of illuminance.

Wallwashing for high rooms
Multi-storey spaces pose specific lighting challenges. Previously, wallwashers had to be mounted in very high-ceilinged rooms at a disproportionately great distance from the wall; however, the ideal position for the recently developed Atrium double-focus wallwashers is now at a distance of only one fifth of the height of the room.

Also suitable for sloping ceilings
As variants with a pivot angle of up to 30°, double focus downlights can also be mounted in sloping ceilings.

Covered or flush mounting detail
As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.

Special characteristics
- Excellent visual comfort
- Outstanding uniformity
- Wallwashing for high rooms
- For inclined ceilings
- Flush or covered mounting detail
- ERCO high-power LEDs
- Efficient Spherolit technology
- Optical cut-off 40°
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Lockable
- Tool-free mounting
- Switchable
- Phase dimmable
- DALI dimmable
- Casambi Bluetooth
Atrium double focus  Recessed luminaires

**Construction size**
- **Size 3**
- **Size 5**

**LED module**
- Maximum value at 4000K CRI 82
- 6W/825lm
- 10W/1230lm
- 18W/2475lm
- 28W/3690lm

**Light colour**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 3000K CRI 92
- 4000K CRI 82
- 3000K CRI 97
- 4000K CRI 92

**Light distribution**
- **Downlights**
  - Flood
  - Wide flood
- **Lens wallwashers**
  - Wallwash

**Control**
- **Switchable**
- **DALI**
  - Phase dimmable
  - Casambi Bluetooth

**Accessories**
- Concrete mounting enclosure
- Spacer plate
- Compensation set
- Mounting ring
- Mounting plate for panelled ceilings
- Cover ring

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ERCO Program 2020
<table>
<thead>
<tr>
<th>Size 7</th>
<th>Size 8</th>
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</thead>
<tbody>
<tr>
<td>24W/3300lm</td>
<td>48W/6390lm</td>
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<td>38W/4920lm</td>
<td>76W/8990lm</td>
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<table>
<thead>
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<th>Downlights</th>
<th>Lens wallwashers</th>
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<tbody>
<tr>
<td>Flood</td>
<td>Wallwash</td>
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<tr>
<td>Wide flood</td>
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</table>

<table>
<thead>
<tr>
<th>Switchable</th>
<th>DALI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phase dimmable</td>
<td>Casambi Bluetooth</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Switchable</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Phase dimmable</td>
<td>Casambi Bluetooth</td>
</tr>
</tbody>
</table>

- 2700K CRI 92 3500K CRI 92
- 3000K CRI 92 4000K CRI 82
- 3000K CRI 97 4000K CRI 92

* available on request

Article numbers and planning data:
www.erco.com/014930
Design and application:
www.erco.com/atrium-df
### Atrium double focus Recessed luminaires

**Construction size**

| Size 10 |

**LED module**  
Maximum value at 4000K CRI 82

<table>
<thead>
<tr>
<th>72W</th>
<th>9580lm</th>
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<tr>
<td>114W</td>
<td>13480lm</td>
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**Light colour**

<table>
<thead>
<tr>
<th>Light colour</th>
<th></th>
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<tbody>
<tr>
<td>2700K CRI 92</td>
<td>3500K CRI 92</td>
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<tr>
<td>3000K CRI 92</td>
<td>4000K CRI 82</td>
</tr>
<tr>
<td>3000K CRI 97</td>
<td>4000K CRI 92</td>
</tr>
</tbody>
</table>

**Light distribution**

- Downlights
- Flood
- Wide flood

**Control**

- Switchable
- DALI

---

**Accessories**

<table>
<thead>
<tr>
<th>Accessories</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete mounting enclosure</td>
<td>Mounting plate for panelled ceilings</td>
</tr>
<tr>
<td>Mounting ring</td>
<td>Compensation set</td>
</tr>
<tr>
<td>Spacer plate</td>
<td>Cover ring</td>
</tr>
</tbody>
</table>
**Atrium double focus** Recessed luminaires

<table>
<thead>
<tr>
<th>Construction size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LED module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum value at 4000K CRI 82</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Light colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K CRI 92</td>
</tr>
<tr>
<td>3000K CRI 92</td>
</tr>
<tr>
<td>3000K CRI 97</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Light distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Downlights</td>
</tr>
<tr>
<td>Flood</td>
</tr>
<tr>
<td>Wide flood</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Control</th>
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</thead>
<tbody>
<tr>
<td>Switchable</td>
</tr>
<tr>
<td>DALI</td>
</tr>
<tr>
<td>Phase dimmable</td>
</tr>
<tr>
<td>Casambi Bluetooth</td>
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</table>

| Size 4             |

<table>
<thead>
<tr>
<th>LED module</th>
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<tbody>
<tr>
<td>24W/3300lm</td>
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<tr>
<td>38W/4920lm</td>
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</tbody>
</table>

* available on request

Article numbers and planning data:
www.erco.com/014930
Design and application:
www.erco.com/atrium-df
Starpoint – Filigree and efficient

**Recessed luminaires for sales-rooms, hotels, restaurants and homes**

Integrated unobtrusively as a filigree light source into the ceiling, the downlight of the Starpoint range provides efficient ambient lighting. Using the wide light distribution, it illuminates large areas, whereas the oval version marks out pathways. The shallow recess depth of the luminaire makes for a very discreet appearance that proves an optimal fit in the home. The lumen package of Starpoint downlights lends itself particularly for use in hotel rooms or homes. With covered or flush mounting detail, the luminaire caters to different design solutions.

**Related ranges**

- **Starpoint**
  - Recessed spotlights, recessed floodlights
  - Page 264
- **Starpoint**
  - Surface-mounted luminaires
  - Page 422
- **Starpoint**
  - Pendant luminaires
  - Page 478
- **Starpoint**
  - Wall-mounted luminaires
  - Page 530
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
- Made of optical polymer
- Light distributions: wide flood, extra wide flood or oval flood

2 ERCO LED-module
- High-power LEDs: warm white (3000K) or neutral white (4000K)

3 Anti-glare cone
- Optical cut-off 30°
- Polymer, black

4 Housing
- Cast aluminium, powder-coated, designed as heat sink
- Covered mounting detail: Fixing springs for ceiling thicknesses of 1-25mm. Mounting ring, cast aluminium, white
- Flush mounting detail: Mounting for ceiling thicknesses of 12.5-25mm. Mounting ring: polymer, white

5 Control gear
- Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
- Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
- Light colours: 2700K or 4000K with CRI 90
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Ceiling channel system
Please contact your ERCO consultant.

Design and application:
www.erco.com/starpoint
Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Small luminaire dimensions are particularly advantageous in compact room situations.

Covered or flush mounting detail
Depending on the mounting ring, either a flush or overlapping mounting detail is created.

Shallow recess depth
In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

Special characteristics

- For office workstation lighting from UGR 8.4
- Small luminaire dimensions
- Flush or covered mounting detail
- Shallow recess depth
- ERCO high-power LEDs
- Efficient lens system
- Optical cut-off 30°
- Different light colours
- Excellent thermal management
- EMC-optimised
- Tool-free mounting
- Switchable
- Phase dimmable
- DALI dimmable
- Casambi Bluetooth
**Starpoint Recessed luminaires**

**Construction size**
- Size 2

**LED module**
- Maximum value at 4000K CRI 80
- 8W/830lm

**Light colour**
- 2700K CRI 90 *
- 3000K CRI 90
- 4000K CRI 80
- 4000K CRI 90 *

**Light distribution**
- Downlights
- Downlights oval flood
- Wide flood
- Oval flood
- Extra wide flood

**Control**
- Switchable
- DALI
- Phase dimmable
- Casambi Bluetooth

**Accessories**
- Concrete mounting enclosure
- Compensation set
- Mounting plate for panelled ceilings
- Cover ring
Daeilim Acro Model House, Seoul. 
Skim – Lighting design for any architecture

The low-cost recessed luminaire
for office and general lighting
Clear, simple and compact: Skim recessed luminaires combine unique aesthetics with superior quality of light, and that at an outstanding price to performance ratio. Designed to excel in effective illumination of offices, corridors, foyers and traffic zones in administration buildings, the versatile range masters applications in retail projects or hotels just as comfortably. Covering a diversity of sizes, lumen categories and distribution options, Skim is a compact point light that offers an aesthetic alternative to linear fluorescent luminaires. The specially developed lens system made of optical polymer provides efficient and homogeneous light with superior glare control, as the magic of the lens will have the observer fascinated. Depending on the light distribution, Skim ensures pleasant general lighting with wide luminaire spacing at an affordable price or else, ergonomic light with optimum glare control that complies with the lighting standards required for office workplaces. Skim luminaires are optionally available in black or white; the integrated mounting frame guarantees quick installation at low cost.

Related ranges

<table>
<thead>
<tr>
<th>Skim for track 220-240V</th>
<th>Skim Surface-mounted luminaires</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 224</td>
<td>Page 428</td>
</tr>
</tbody>
</table>
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
   - Made of optical polymer
   - Light distributions: wide flood, extra wide flood or oval flood

2 ERCO LED-module
   - High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3 Anti-glare cone
   - White (RAL9016) or black
   - Optical cut-off 30°
   - Polymer
   - With covered mounting detail

4 Housing
   - Cast aluminium, designed as heat sink
   - Folding spring fixing for ceiling thicknesses of up to 25mm (size 1) or 40mm (size 5)

5 Control gear
   - Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Ceiling channel system

Please contact your ERCO consultant.

Design and application:
www.erco.com/skim
**Suitable for office workstations**

ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

**Shallow recess depth**

In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

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**Special characteristics**

- For office workstation lighting from UGR 14.3
- Shallow recess depth

---

ERCO high-power LEDs

- Efficient lens system
- Optical cut-off 30°
- Different light colours

Excellent thermal management

- EMC-optimised
- Various housing colours
- Various construction sizes

Switchable

- Phase dimmable
- DALI dimmable
- Casambi Bluetooth

Tool-free mounting

- Very good price performance ratio
Skim Recessed luminaires

**Construction size**
- **Size 3**
- **Size 5**

**LED module**
- **Maximum value at 4000K CRI 82**
  - **8W/1100lm**
  - **13W/1640lm**
  - **18W/2475lm**
  - **28W/3690lm**

**Light colour**
- **2700K CRI 92**
- **3000K CRI 92**
- **3000K CRI 97**
- **3500K CRI 92**
- **4000K CRI 92**

**Light distribution**
- **Downlights**
  - **Wide flood**
  - **Oval flood**
  - **Extra wide flood**
- **Downlights oval flood**
  - **Wide flood**
  - **Oval flood**
  - **Extra wide flood**

**Control**
- **Switchable**
- **Phase dimmable**
- **DALI**
- **Casambi Bluetooth**

**Colour (anti-glare cone)**
- **White**
- **Black**

**Accessories**
- **Concrete mounting enclosure**
- **Cover ring**
- **Compensation set**
Compact – Efficient and economical

Its combination of visual comfort and recess depth is unique. Compact breaks new ground in illumination – Compact, simply unique

New possibilities arise when people break new ground. Compact is a previously unseen combination of excellent visual comfort and particularly shallow recess depth. Its different light distributions of extra wide flood and oval flood enable all-round use in offices and administrative buildings as much as in salesrooms.

The luminaire’s unique oval flood beam lends itself particularly to the illumination of tables and traffic zones. Even broad and uniform illumination of vertical surfaces is possible using the wallwashers. This provides the creative designer with a range of differentiated lighting tools for efficient visual comfort even in areas where compact downlights are required.

Related ranges

Compact
Surface-mounted luminaires
Page 738

Compact
Recessed luminaires
Page 724
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
- Made of optical polymer
- Light distributions: extra wide flood, oval flood, wallwash or double wallwash

2 ERCO LED-module
- High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3 Anti-glare ring with cross baffle
- Optical cut-off 30°
- Polymer, aluminium vapourised, silver, ribbed
  or
- Wallwasher reflector
- Optical cut-off 30° or 40°
- Polymer or metal, aluminium vapourised, silver, ribbed, with diffuser on the underside

4 Mounting ring
- Covered mounting detail
- Fixing for ceiling thicknesses of 1-25mm (size 3-4) or 1-30mm (size 5-8)
- Polymer, white
- For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5-25mm

5 Housing
- Cast aluminium, designed as heat sink
- Rotatable through 360°

6 Control gear
- Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
- Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
- Anti-glare ring with cross baffle: coated matt gold, matt silver or matt champagne
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Mounting ring: 10,000 further colours
- Ceiling channel system
  Please contact your ERCO consultant.
**Suitable for office workstations**
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

**Double wallwasher**
The special light distribution of the double wallwashers efficiently illuminates the opposite walls of corridors. The diffuse, reflected light from the walls also illuminates the floor and ceiling.

**Covered or flush mounting detail**
As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.

**Shallow recess depth**
In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

**Wide luminaire spacing with wallwashing**
Efficient ERCO photometrics allow certain luminaires to be spaced unusually far apart at up to 1.5 times the distance to wall.

**Special characteristics**
- **For office workstation lighting from UGR 12.1**
- **Double wallwasher**
- **Flush or covered mounting detail**
- **Shallow recess depth**
- **Wide luminaire spacing with wallwashing**
- **ERCO high-power LEDs**
- **Efficient lens system**
- **Optical cut-off 30°/40°**
- **Different light colours**
- **Excellent thermal management**
- **EMC-optimised**
- **Various construction sizes**
- **Tool-free mounting**
- **Switchable**
- **Phase dimmable**
- **DALI dimmable**
- **Casambi Bluetooth**

**ERCO Program 2020**
369
Compact Recessed luminaires

Construction size

Size 3

Size 4

LED module

Maximum value at 4000K CRI 82

8W/1100lm

16W/2200lm

Light colour

2700K CRI 92

3000K CRI 92

3000K CRI 97

3500K CRI 92

4000K CRI 82

4000K CRI 92

3000K CRI 97

3000K CRI 97

4000K CRI 92

4000K CRI 92

Light distribution

Downlights

Extra wide flood

Downlights oval flood

Oval flood

Lens wallwashers

Wallwash

Double Wallwash

Control

Switchable

Phase dimmable

DALI

Casambi Bluetooth

Accessories

Concrete mounting enclosure

Spacer plate

Mounting ring

Compensation set

Mounting plate for panelled ceilings

Cover ring
Size 5

- 24W/3300lm
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97

Downlights
- Extra wide flood
- Downlights oval flood
- Oval flood

Lens wallwashers
- Wallwash
- Double wallwashers
- Double Wallwash

Switchable DALI
- Phase dimmable
- Casambi Bluetooth

Size 7

- 32W/4400lm
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97

Downlights
- Extra wide flood
- Downlights oval flood
- Oval flood

Lens wallwashers
- Wallwash
- Double wallwashers

Switchable DALI
- Phase dimmable
- Casambi Bluetooth

Article numbers and planning data:
www.erco.com/013681

Design and application:
www.erco.com/compact
Compact Recessed luminaires

Construction size

LED module
Maximum value at 4000K CRI 82

Light colour

Light distribution

Control

Accessories

Concrete mounting enclosure
Mounting plate for panelled ceilings
Mounting ring
Compensation set
Spacer plate
Cover ring
Brookfield Place
Tower 2, Perth.
Lighting design:
Lighting Options
Australia, Perth.
Photography:
Matt Devlin, Perth.

Article numbers and planning data:
www.erco.com/013681
Design and application:
www.erco.com/compact
Quadra – Efficient and architectonic

The tool for special lighting tasks. Quadra enhances architecture.

Architecture must inspire, and Quadra is a great tool with this in mind. Its simple elegance in combination with innovative and highly efficient photometrics makes this a valuable tool in modern lighting design. A particularly shallow recess depth and very efficient visual comfort suggest Quadra for administrative buildings and offices as well as for sales areas and private homes. Its extra wide flood and oval flood light distributions enable broad use for efficient ambient lighting – even in refurbishment and renovation projects. Thanks to its geometric shape, Quadra also excels at wallwashing with large axial spacing without disturbing light emitted towards the room – all the while boasting a high luminaire efficiency rating.
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
- Made of optical polymer
- Light distributions: extra wide flood, oval flood, wallwash or double wallwash

2 ERCO LED-module
- High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3 Anti-glare frame with cross baffle
- Optical cut-off 30°
- Polymer, aluminium vaporised, silver, ribbed
  or
- Wallwasher reflector
- Optical cut-off 40°
- Metal, aluminium vaporised, silver, ribbed, with diffuser on the underside

4 Mounting frame
- Covered mounting detail
- Fixing for ceiling thicknesses of 1-30mm
- Polymer, white
- For flush mounting: mounting frame to be ordered separately, fixing for ceiling thicknesses of 12.5–25mm

5 Housing
- Cast aluminium, designed as heat sink

6 Control gear
- Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
- Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
- Anti-glare frame with cross baffle: coated matt gold, matt silver or matt champagne
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Mounting frame: 10,000 further colours
- Ceiling channel system
  Please contact your ERCO consultant.

Design and application:
www.erco.com/quadra
Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

Double wallwasher
The special light distribution of the double wallwashers efficiently illuminates the opposite walls of corridors. The diffuse, reflected light from the walls also illuminates the floor and ceiling.

Covered or flush mounting detail
As standard, all recessed luminaires have overlapping installation details. Flush mounting frames are available as accessories.

Shallow recess depth
In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

Wide luminaire spacing with wallwashing
Efficient ERCO photometrics allow certain luminaires to be spaced unusually far apart at up to 1.5 times the distance to wall.

Special characteristics
- ERCO high-power LEDs
- Excellent thermal management
- Switchable
- Efficient lens system
- EMC-optimised
- Phase dimmable
- Optical cut-off 30°/40°
- Various construction sizes
- DALI dimmable
- Different light colours
- Tool-free mounting
- Casambi Bluetooth
- Wide luminaire spacing with wallwashing
- Quadra Recessed luminaires
Quadra Recessed luminaires

Construction size

Size 3

LED module

Maximum value at 4000K CRI 82

8W/1100lm

Light colour

2700K CRI 92
3000K CRI 92
3000K CRI 97

3500K CRI 92
4000K CRI 82
4000K CRI 92

Light distribution

Downlights

Extra wide flood
Downlights oval flood

Lens wallwashers

Wallwash

Oval flood

Control

Switchable

Phase dimmable

DALI

Casambi Bluetooth

Accessories

Concrete mounting enclosure
Mounting frame
Mounting plate for panelled ceilings
Mounting frame
Spacer plate
Cover frame
Size 5

24W/3300lm

<table>
<thead>
<tr>
<th>Color Temperature</th>
<th>Color Rendering Index</th>
</tr>
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<tbody>
<tr>
<td>2700K CRI 92</td>
<td>3500K CRI 92</td>
</tr>
<tr>
<td>3000K CRI 92</td>
<td>4000K CRI 82</td>
</tr>
<tr>
<td>3000K CRI 97</td>
<td>4000K CRI 92</td>
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</tbody>
</table>

Downlights | Lens wallwashers
---|---
Extra wide flood | Wallwash
Downlights oval flood | Double wallwashers
Oval flood | Double Wallwash

Switchable | DALI
---|---
Phase dimmable | Casambi Bluetooth
Jilly square – The versatile light for modern work

An independent design for efficient and ergonomic light in offices
With Jilly recessed luminaires, the Jilly range offers a particularly efficient solution for standard-compliant office workplace lighting. The concise appearance with striking anti-dazzle louvre make Jilly a design statement that stands out from conventional office luminaires. Jilly's lighting technology combines a highly efficient lens system with an anti-dazzle louvre for visual comfort and luminous efficacy at the same high level. The wattage and light distribution enable wide luminaire spacing for economical lighting concepts that comply to standards. With Jilly recessed luminaires, lighting designers choose between two square sizes and a linear luminaire. The format and luminous flux can thus be adapted to the room situation. Many well thought-out details facilitate the recessed mounting and make installation simple, efficient and safe.

Related ranges

Jilly square
Surface-mounted luminaires
Page 434

Jilly linear
Recessed luminaires
Page 386

Jilly linear
Pendant luminaires
Page 484

Jilly
for track
220–240V
Page 230
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
   - Made of optical polymer
   - Light distributions: extra wide flood or oval wide flood

2 ERCO LED-module
   - Mid-power LEDs: warm white (3000K) or neutral white (4000K)

3 Louvre
   - Polymer, black lacquered or aluminium vapourised, silver, mirror-finish

4 Housing
   - Polymer, white
   - Size 14: mounting for ceiling thicknesses of 1-45mm. Covered mounting detail

5 Mounting frame (size 5)
   - Covered mounting detail
   - Fixing for ceiling thicknesses of 1-30mm
   - Polymer, white
   - For flush mounting: mounting frame to be ordered separately, fixing for ceiling thicknesses of 12.5–25mm

6 Control gear
   - Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
   - Mid-power LEDs: 2700K, 3000K, 3500K or 4000K with CRI 92
   - Anti-glare louvre: gold matt, silver matt, champagne matt or copper matt-coated and other colours
   - Housing: 10,000 further colours
   - Cassette for system ceilings, e.g. 600x600

Please contact your ERCO consultant.

Design and application:
www.erco.com/jilly-square
Louvres for efficient visual comfort
A louvre is designed to restrict the view into the luminaire, achieving efficient visual comfort with an emission angle of 90°. An anti-glare louvre available in black or silver enables the luminaire to blend with the material and colour of the ceiling.

Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using 'blanket' values, but should be implemented according to the individual arrangement of luminaires in the room.

Shallow recess depth
For compact mounting situations, ERCO has developed luminaires with a shallow recess depth to provide excellent light quality in areas with limited installation space.

Special characteristics
- UGR
- For office workstation lighting from UGR 14.5
- Improved visual comfort
- Shallow recess depth
- ERCO mid-power LEDs
- Efficient lens system
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Tool-free mounting
- Switchable
- Phase dimmable
- DALI dimmable
- Casambi Bluetooth
**Jilly square Recessed luminaires**

**Construction size**
- Size 6
- Size 14

**LED module**
- Maximum value at 4000K CRI 82
- Size 6: 10W/1535lm
- Size 14: 36W/6735lm

**Light colour**
- 2700K CRI 92 *
- 3500K CRI 92 *
- 3000K CRI 82
- 4000K CRI 82
- 3000K CRI 92 *
- 4000K CRI 92 *

**Light distribution**
- Downlights
- Extra wide flood
- Oval wide flood

**Control**
- Switchable
- DALI
- Phase dimmable
- Casambi Bluetooth

**Colour (louvre)**
- Silver
- Black

**Accessories**
- Reinforcing profile
- Mounting frame
- Concrete mounting enclosure
- Mounting plate for panelled ceilings
- Spacer plate
- Cover frame

**LED module maximum value**
- 10W: 1535lm
- 36W: 6735lm

**Light colour**
- 2700K CRI 92 *
- 3500K CRI 92 *
- 3000K CRI 82
- 4000K CRI 82
- 3000K CRI 92 *
- 4000K CRI 92 *

**Control**
- Switchable
- DALI
- Phase dimmable
- Casambi Bluetooth

**Colour (louvre)**
- Silver
- Black
Jilly linear – The versatile light for modern work

An independent design for efficient and ergonomic light in offices
With Jilly recessed luminaires, the Jilly range offers a particularly efficient solution for standard-compliant office workplace lighting. The concise appearance with striking anti-dazzle louvre make Jilly a design statement that stands out from conventional office luminaires. Jilly’s lighting technology combines a highly efficient lens system with an anti-dazzle louvre for visual comfort and luminous efficacy at the same high level. The wattage and light distribution enable wide luminaire spacing for economical lighting concepts that comply to standards. With Jilly recessed luminaires, lighting designers choose between two square sizes and a linear luminaire. The format and luminous flux can thus be adapted to the room situation. Many well thought-out details facilitate the recessed mounting and make installation simple, efficient and safe.

Related ranges

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<th>Jilly square</th>
<th>Jilly linear</th>
<th>Jilly for track</th>
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<td>Recessed luminaires</td>
<td>Pendant luminaires</td>
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Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
- Made of optical polymer
- Light distributions: extra wide flood or oval wide flood

2 ERCO LED-module
- Mid-power LEDs: warm white (3000K) or neutral white (4000K)

3 Louvre
- Polymer, black lacquered or aluminium vaporised, silver, mirror-finish

4 Housing
- Aluminium profile, powder-coated white
- Fixing for ceiling thicknesses of 1-30mm
- Covered mounting detail

5 Control gear
- Switchable or DALI dimmable

Variants on request
- Mid-power LEDs: 2700K, 3000K, 3500K or 4000K with CRI 92
- Anti-glare louvre: gold matt, silver matt, champagne matt or copper matt-coated and other colours
- Housing: 10,000 further colours
Please contact your ERCO consultant.
Louvre for efficient visual comfort
A louvre is designed to restrict the view into the luminaire, achieving efficient visual comfort with an emission angle of 90°. An anti-glare louvre available in black or silver enables the luminaire to blend with the material and colour of the ceiling.

Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

Shallow recess depth
For compact mounting situations, ERCO has developed luminaires with a shallow recess depth to provide excellent light quality in areas with limited installation space.

Special characteristics
- ERCO mid-power LEDs
- Efficient lens system
- EMC-optimised
- Tool-free mounting
- Switchable
- DALI dimmable

For office workstation lighting from UGR 14.0
Improved visual comfort
Shallow recess depth

ERCO Program 2020
**Jilly linear** Recessed luminaires

**Construction size**
- 1125mm

**LED module**
- Maximum value at 4000K CRI 82
- 36W/6735lm

**Light colour**
- 2700K CRI 92 *
- 3000K CRI 82
- 3000K CRI 92 *
- 3500K CRI 92 *
- 4000K CRI 82
- 4000K CRI 92 *

**Light distribution**
- Downlights
- Downlights oval wide flood
- Extra wide flood
- Oval wide flood

**Control**
- Switchable
- DALI

**Colour (louvre)**
- Silver
- Black
Compar linear – Powerhouse for linear aesthetics

Differentiated light from the ceiling in an innovative design
Compar gives architects, lighting designers and engineers broad scope for creative precision: With this range of innovative recessed luminaires, ERCO has extended the spectrum of round and square recessed lighting tools with a striking linear design. The slim luminaires – available from a width of 52mm – offer a subtle decorative detail in the ceiling whilst providing extremely efficient lighting tools with high standards of visual comfort. Variable light distribution options for differentiated general and office lighting make Compar an ideal solution for any high-quality architectural environment. Compar is an aesthetic alternative to conventional linear luminaires and fluorescent lamps, making it superb for individual, ceiling-integrated lighting concepts in administration buildings, restaurants, cultural facilities and offices.

Related ranges

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<td>Compar linear</td>
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<td>Compar</td>
<td>216</td>
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<td>for track 220-240V</td>
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</tbody>
</table>
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
- Made of optical polymer
- Light distributions: spot, flood, wide flood, extra wide flood, oval wide flood or oval flood
- or
- Reflector (lens wallwasher)
- Polymer, silver vaporised, mirror-finish
- Softec lens

2 ERCO LED-module
- High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3 Louvre
- Polymer, black lacquered or aluminium vaporised, silver, mirror-finish
- Downlight: cut-off angle 30°
- Wallwasher: cut-off angle 70°

4 Mounting frame
- Covered mounting detail
- Mounting for ceiling thicknesses to max. 40mm
- Polymer, white
- For flush mounting: mounting frame to be ordered separately, fixing for ceiling thicknesses of 12.5–25mm

5 Housing
- Aluminium profile, designed as heat sink

6 Control gear
- Switchable, phase dimmable, DALI dimmable or Casambi Bluetooth
- Phase dimmable version: Dimming with external dimmers possible (trailing edge)
- Variants on request
- Anti-dazzle louvre: coated matt gold, matt silver or matt champagne
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Mounting frame: 10,000 further colours
- Ceiling channel system
  Please contact your ERCO consultant.

Design and application:
www.erco.com/compar-linear
A louvre is designed to restrict the view into the luminaire, achieving efficient visual comfort with an emission angle of 90°. An anti-glare louvre available in black or silver enables the luminaire to blend with the material and colour of the ceiling.

ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

Covered or flush mounting detail
Compar recessed downlights are supplied with an overlapping mounting detail. Flush mounting details are available as accessories to facilitate site logistics.

Shallow recess depth
In compact installation situations, every millimetre is decisive with the recess depth of a luminaire. ERCO has thus developed special luminaires for shallow recess depths that guarantee very good quality of light even in very tight installation conditions.

Special characteristics
- Excellent visual comfort
- UGR
- For office workstation lighting from UGR 13.4
- Flush or covered mounting detail
- Shallow recess depth
- ERCO high-power LEDs
- Efficient lens system
- Cut-off 30°/70°
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Tool-free mounting
- Switchable
- Phase dimmable
- DALI dimmable
- Casambi Bluetooth

ERCO Program 2020
Compar linear Recessed luminaires

<table>
<thead>
<tr>
<th>Light colour</th>
<th>2700K CRI 92</th>
<th>3500K CRI 92</th>
<th>3000K CRI 92</th>
<th>4000K CRI 82</th>
<th>3000K CRI 97</th>
<th>4000K CRI 92</th>
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<tbody>
<tr>
<td>Light distribution</td>
<td>Downlights oval wide flood</td>
<td>Downlights oval wide flood</td>
<td>Downlights oval flood</td>
<td>Downlights oval flood</td>
<td>Downlights oval flood</td>
<td>Downlights oval flood</td>
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<tr>
<td>Light</td>
<td>Spot</td>
<td>Oval wide flood</td>
<td>Spot</td>
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</tr>
<tr>
<td></td>
<td>Extra wide flood</td>
<td>Lens wallwashers</td>
<td>Extra wide flood</td>
<td>Lens wallwashers</td>
<td>Extra wide flood</td>
<td>Lens wallwashers</td>
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<tr>
<th>Control</th>
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<th>DALI</th>
<th>Switchable</th>
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<tr>
<td></td>
<td>Phase dimmable</td>
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<td>Phase dimmable</td>
<td>Casambi Bluetooth</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Colour (louvre)</th>
<th>Silver</th>
<th>Black</th>
</tr>
</thead>
</table>

| Accessories | Mounting frame | Suspension for control gear | Mounting frame for ceiling channels |
Silver
Black

24W/3300lm
38W/4920lm

2700K CRI 92
3000K CRI 92
3000K CRI 97

3500K CRI 92
4000K CRI 82
4000K CRI 92

3000K CRI 97
4000K CRI 92

48W/6800lm
76W/9840lm

2700K CRI 92
3000K CRI 92
3000K CRI 97

3500K CRI 92
4000K CRI 82
4000K CRI 92

Switchable DALI
Phase dimmable Casambi Bluetooth

* available on request Article numbers and planning data: www.erco.com/016057
Design and application: www.erco.com/compar-linear
Lightgap – Emphasising wall structures for a three-dimensional effect

Grazing light wallwashers accentuate surface texture on walls. Lightgap emphasises the tactile qualities of architectural materials. The grazing light wallwasher brings out the finest wood or concrete texture as exquisitely as rough surfaces such as natural stone, thereby enabling the luminaire to set off historic features or regional materials. In contrast to conventional wallwashers which give walls a soft character, Lightgap adds an almost tactile dimension through high-contrast light and shadow effects. With its asymmetrical light distribution, the grazing light wallwasher can be positioned up to 10cm close to the wall and still produce an exceptionally uniform beam. The luminaire can be tilted conveniently by up to 10° in both directions. The resulting special rendering of vertical illuminance combines strikingly illuminated texture for scenic effect with efficient room lighting for places such as restaurants and hotels.
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. ERCO Spheronit lens
2. ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer
3. Housing
   - Aluminium profile
   - Arrangement as continuous band of light possible
   - Fixing clip: metal, black powder-coated
4. Control gear
   - Switchable, DALI dimmable or Casambi Bluetooth

Variants on request
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Housing: 10,000 further colours

Please contact your ERCO consultant.

Design and application:
www.erco.com/lightgap
**Grazing light wallwasher**
The especially narrow light distribution of the grazing light wallwashers at short distances from the wall displays relief surfaces in a high quality and uniform way.

**Very high visual comfort**
Due to the small installation dimensions of Lightgap grazing light wallwashers, the luminaires remain concealed and thus support ideal visual comfort. The shielding angle (α) of Lightgap depends on the ceiling height.

**Continuous line arrangements are possible**
Lightgap luminaires can be mounted directly together to achieve a very uniform distribution of brightness on the wall.

**Special characteristics**

<table>
<thead>
<tr>
<th>Excellent visual comfort</th>
<th>ERCO high-power LEDs</th>
</tr>
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<tr>
<td>Grazing light wallwasher</td>
<td>Efficient Spherolit technology</td>
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<tr>
<td>Continuous line arrange- ments are possible</td>
<td>Excellent thermal management</td>
</tr>
<tr>
<td></td>
<td>EMC-optimised</td>
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<tr>
<td></td>
<td>Various construction sizes</td>
</tr>
<tr>
<td></td>
<td>Pivotable by ±10°</td>
</tr>
<tr>
<td></td>
<td>Very good price performance ratio</td>
</tr>
</tbody>
</table>

**Switchable**

**DALI dimmable**

**Casambi Bluetooth**
Switchable DALI White 10,000 colours *

912mm 1813mm

Grazing light wallwashers

Grazing light

Switchable DALI

White

10,000 colours *

2700K CRI 92 3500K CRI 92
3000K CRI 92 4000K CRI 82
3000K CRI 97 4000K CRI 92

36W/4950lm

* available on request

Article numbers and planning data:
www.erco.com/015203
Design and application:
www.erco.com/lightgap
Pragmatic. Convincing.
Surface-mounted luminaires

Very pragmatic considerations often lead to the use of surface-mounted downlights – for example when the space required for recessing conventional downlights is not available in the ceiling. The decision in favour of a lighting concept with surface-mounted downlights considerably reduces the installation complexity, for example in solid ceilings or in existing buildings.

Overview of all ranges from p. 406
www.erco.com/downlights-s
General lighting for modern offices

- Simple installation onto existing ceiling details
- High visual comfort for pleasant working light
- Easy mounting using optional spacers for surface cabling

Products used:
Skim p. 426

Economically illuminating public buildings

- Surface-mounted luminaires with downlight characteristics
- Ideal for solid concrete ceilings without recessed installation possibility
- Wide light distributions for large luminaire spacing and low investment costs

Products used:
Quintessence p. 408
This distinguishes our surface-mounted luminaires

Round, square or linear

Find the right luminaire shape for every room. Surface-mounted luminaires in round, square or linear design provide a high level of design flexibility.

Dimming

In-house developed control gear enables uniform operating behaviour of luminaire groups and dimming down to 1% – important for use as hall lighting in cinemas, theatres and concert auditoriums. With DALI control, the dimming value achieves as low as 0.1%.

Simple installation due to surface-mounted solution

Surface-mounted luminaires are a compact solution for simple mounting on solid ceilings.

Always the right light distribution

Whatever you wish to illuminate, with ERCO you’ll find the right light distribution. From wide beam floodlighting to the efficient illumination of workstations.
Various housing colours
Luminaires are available in different colour versions for matching the luminaire colour to the surroundings.

Anti-glare louvres for optimum visual comfort
Anti-glare louvres limit the view into the luminaire and enable high visual comfort even at a beam angle of 90°.

Customise
“ERCO individual” offers extensive options for customising the product ranges:
www.erco.com/individual

Various sizes
The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer appropriate solutions for a wide variety of lighting tasks.

Various housing colours
Luminaires are available in different colour versions for matching the luminaire colour to the surroundings.

Shallow construction heights
Flat luminaires are discreet and place the focus on the light itself. Low installed heights are particularly useful in low rooms.

Anti-glare louvres for optimum visual comfort
Anti-glare louvres limit the view into the luminaire and enable high visual comfort even at a beam angle of 90°.

Products with these features can be found on the next page.

Suitable for office workstations
ERCO develops luminaires aimed at good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. This should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.
Surface-mounted luminaires

Surface-mounted downlights

Quintessence round
- Large luminaire spacing
- ERCO darklight technology
- Very high visual comfort with wide light distributions
- Community

Atrium double focus
- Ideal for high and very high rooms
- Large lumen packages for high illuminances
- General lighting with large luminaire spacing
- Community, Contemplation

Starpoint
- Small luminaire dimensions
- Decorative light emission
- Available in chrome
- Hospitality

Skim
- For office workstation lighting as of UGR<16
- Good price-performance ratio
- Magically luminous lens
- Work

Jilly square
- For office workstation lighting as of UGR<16
- Anti-glare louvre in various colours
- General lighting with large luminaire spacing
- Work

Jilly linear
- For office workstation lighting as of UGR<16
- Anti-glare louvre in various colours
- Very high visual comfort for working
- Work

Compar square
- For office workstation lighting as of UGR<16
- Three wattages
- Four light distributions
- Work

Compar linear
- For office workstation lighting as of UGR<16
- Slender profile
- Four light distributions
- Work

ERCO Program 2020
Quintessence round – The system solution for excellent visual comfort

The surface-mounted luminaire for uniform light with large luminaire spacing
As a surface-mounted version, Quintessence becomes an aesthetic architectural feature with the photometric properties of a downlight. Quintessence surface-mounted luminaires are designed with integrated control gear, making them ideal for use in rooms with ceilings that do not permit recessed luminaires. Following the system design of its range, surface-mounted luminaires offer the same sizes and lumen packages as recessed downlights. With an emission angle of 90° and a 40° cut-off, Quintessence meets the challenges of efficient ambient lighting masterfully whilst achieving high cylindrical illuminances. Its exceptionally wide beam enables large luminaire spacing with highly uniform illuminance distribution – and excellent glare control.

Related ranges

Quintessence round
Recessed spotlights, recessed floodlights
Page 252

Quintessence round
Recessed luminaires
Page 318

Quintessence round
Pendant luminaires
Page 466

Quintessence round
Recessed luminaires
Page 718
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO darklight reflector
- Cut-off angle 40°
- Polymer, aluminium vapourised, mirror-finish

2 ERCO LED-module
- High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3 Diffuser lens
- Made of optical polymer
- Light distribution: extra wide flood

4 Cylinder
- White (RAL9002)
- Aluminium profile, powder-coated
- Ceiling fixture: metal

5 Control gear
- Switchable

Variants on request
- Reflector: coated matt gold, matt silver or matt champagne
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/quintessence-s
Very high visual comfort

The darklight reflector combines maximum visual comfort with an optimum light output ratio.
Quintessence round Surface-mounted luminaires

**Construction size**
- Size 3
- Size 4

**LED module**
- Maximum value at 4000K CRI 82
  - Size 3: 12W/1650lm
  - Size 4: 18W/2475lm

**Light colour**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92
- 3000K CRI 97
- 4000K CRI 92

**Light distribution**
- Surface-mounted downlights
  - Extra wide flood

**Control**
- Switchable

**Colour (housing)**
- White
- 10,000 colours *
Switchable White 10,000 colours *

Size 5

24W/3300lm

Surface-mounted downlights

Extra wide flood

Switchable

White 10,000 colours *

Size 7

32W/4400lm

Surface-mounted downlights

Extra wide flood

Switchable

White 10,000 colours *

* available on request

Article numbers and planning data:
www.erco.com/015734

Design and application:
www.erco.com/quintessence-s
Atrium double focus – Sophisticated light for high rooms

Versatile, powerful lighting technology and minimalist design – for nuanced lighting from large heights

With high lumen output and good glare control, Atrium double focus luminaires are particularly suitable for use in high rooms, for example in the foyers of public buildings and sacred spaces. The neutrally designed cylindrical housing of the surface-mounted luminaires is given a striking design accent with the light-tight ventilation gap. The lighting technology with collimators and Spherolit lenses creates narrow downlight light distributions and thus provides precise illumination from large heights. In addition to recessed luminaires, the family also includes pendant luminaires with an optional indirect light component. All Atrium luminaires have a black anti-glare cone for particularly high visual comfort. The own-developed control gear provides uniform operating behaviour of luminaire groups and dimming values down to 0.1% via DALI - an important criterion in the typical areas of application.

Related ranges

Atrium double focus
Recessed luminaires
Page 346

Atrium double focus
Pendant luminaires
Page 472
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO SpheroLit lens
   - Light distributions: flood or wide flood

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

3 Cylinder
   - White (RAL9002), black or silver
   - Cut-off angle 30° or 40°.
   - Aluminium profile, powder-coated, inner black-coated
   - Cone: polymer, black
   - Ceiling fixture: metal

4 Control gear
   - Switchable, phase dimmable or DALI dimmable
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
   - Housing: 10,000 further colours
Please contact your ERCO consultant.
Very high visual comfort
ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

Large lumen packages for very high illuminances
The good glare control of the lens systems enables large lumen packages with high visual comfort.

Suitable for high rooms
Theatres, atria, and lecture halls are usually illuminated from the ceiling and therefore from a large height. Efficient lighting solutions for high rooms have luminaires that project the light precisely onto the surface to be illuminated, in this way avoiding spill light.

Special characteristics
- Excellent visual comfort
- Large lumen packages for very high illuminances
- Suitable for high rooms
- ERCO high-power LEDs
- Efficient Spherolit technology
- Cut-off 30°/40°
- Various housing colours
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Switchable
- Phase dimmable
- DALI dimmable
Atrium double focus Surface-mounted luminaires

**Construction size**

- Size 5
- Size 7

**LED module**

- Maximum value at 4000K CRI 82

- Size 5:
  - 24W/3300lm
  - 38W/4920lm

- Size 7:
  - 48W/6600lm
  - 76W/9840lm

**Light colour**

- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92
- 3000K CRI 97
- 4000K CRI 92

**Light distribution**

- Surface-mounted downlights
  - Flood
  - Wide flood

**Control**

- Switchable
- Phase dimmable
- DALI

**Colour (housing)**

- White
- Silver
- Black
- 10,000 colours *
Starpoint – Striking light cylinder for efficient illumination

Surface-mounted luminaires for hotels, bars and restaurants

The Starpoint surface-mounted downlight combines the design principles of “ambient luminescence” and “play of brilliants” coined by Richard Kelly. The light beam provides efficient ambient lighting. Using the wide light distribution, it illuminates large areas, whereas the oval version marks out pathways. The luminaire cover with its strikingly illuminated ring creates an effective eye-catcher. The translucent element, which is visible only when illuminated, makes for a subtle decorative detail in the ceiling – ideal for hotels, bars and restaurants. A chrome version adds a touch of mid-century glamour and lends itself to combination with rough materials such as wood or natural stone, thereby creating a compelling contrast.

Related ranges

Starpoint
Recessed spot-lights, recessed floodlights
Page 264

Starpoint
Recessed luminaires
Page 354

Starpoint
Wall-mounted luminaires
Page 530

Starpoint
Pendant luminaires
Page 478
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
- Made of optical polymer
- Light distributions: wide flood, extra wide flood or oval flood

2 ERCO LED-module
- High-power LEDs: warm white (3000K) or neutral white (4000K)

3 Translucent ring
- Optical cut-off 30°
- Polymer, clear, outside mirror finish vaporised
  or
- Anti-glare cone
- Optical cut-off 30°
- Polymer, black

4 Cylinder
- White (RAL9002), black or chrome
- Aluminium profile, powder-coated or chromed
- Ceiling fixture: metal

5 Control gear
- Phase dimmable
- Dimming with external dimmers possible (trailing edge)

Variants on request
- Light colours: 2700K or 4000K with CRI 90
- Housing: 10,000 further colours
Please contact your ERCO consultant.
**Starpoint** Surface-mounted luminaires

**Small luminaire dimensions**
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

**Suitable for office workstations**
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

**Decorative luminaire edge**
The translucent ring with Starpoint creates a magical light effect.

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**Special characteristics**

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<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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</thead>
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<tr>
<td>UGR</td>
<td>For office workstation lighting from UGR 8.2</td>
</tr>
<tr>
<td>Small luminaire dimensions</td>
<td>Efficient lens system</td>
</tr>
<tr>
<td>Decorative luminaire edge</td>
<td>Optical cut-off 30°</td>
</tr>
<tr>
<td>ERCO high-power LEDs</td>
<td>Different light colours</td>
</tr>
<tr>
<td>Excellent thermal management</td>
<td>Easy installation</td>
</tr>
<tr>
<td>Phase dimmable</td>
<td>EMC-optimised</td>
</tr>
</tbody>
</table>

Various housing colours

---

*ERCO Program 2020*
Starpoint Surface-mounted luminaires

**Construction size**

Size 2

**LED module**

Maximum value at 4000K CRI 80

8W/830lm

**Light colour**

<table>
<thead>
<tr>
<th>2700K CRI 90 *</th>
<th>4000K CRI 80</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000K CRI 90</td>
<td>4000K CRI 90 *</td>
</tr>
</tbody>
</table>

**Light distribution**

- Surface-mounted downlights
- Surface-mounted downlights oval flood
- Wide flood
- Oval flood
- Extra wide flood

**Control**

Phase dimmable

**Colour (housing)**

- White
- White/translucent
- Black
- Black/translucent
- Chrome
- Chrome/translucent
- 10,000 colours *
- 10,000 colours */translucent
Skim – Lighting design for any architecture

The versatility of Skim as a separate, flat surface-mounted luminaire
Skim as a surface-mounted downlight is designed for ceiling structures that prevent recessed mounting. It features the same characteristic lens system made of optical polymer as the Skim range of recessed luminaires. Available with different distribution options and in sizes 3 and 5, Skim surface-mounted luminaires combine efficiency with visual comfort, making them ideal for a wide variety of applications: in offices and administration buildings, shops and public places. The exclusive, flat design of the housing made of cast aluminium ensures sophisticated thermal management. Skim surface-mounted luminaires are a straightforward alternative to recessed luminaires and the optimal lighting solution particularly for new, energy-efficient buildings with formidable, thermally activated concrete ceilings. Details such as snap hooks to secure the luminaire or the optional spacers for surface-mounting facilitate the installation still further.

Related ranges

Skim
Recessed luminaires
Page 360

Skim
for track
220–240V
Page 224
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
   - Made of optical polymer
   - Light distributions: wide flood, extra wide flood or oval flood

2 ERCO LED-module
   - High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3 Anti-glare cone
   - White (RAL9016)
   - Optical cut-off 30°
   - Polymer

4 Cylinder
   - White (RAL9010)
   - Cast aluminium, powder-coated
   - Ceiling fixture: metal

5 Control gear
   - Switchable, phase dimmable or DALI dimmable
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
   - Housing: 10,000 further colours
   - Please contact your ERCO consultant.
Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using 'blanket' values, but should be implemented according to the individual arrangement of luminaires in the room.

Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

Very good price performance ratio
Skim surface-mounted luminaires offer an attractive price/performance ratio – an advantage with planning tasks aiming for cost-effectiveness.

Special characteristics
- For office workstation lighting from UGR 15.4
- Small luminaire dimensions
- Very good price performance ratio
- ERCO high-power LEDs
- Efficient lens system
- Optical cut-off 30°
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Easy installation
- Switchable
- Phase dimmable
- DALI dimmable

ERCO Program 2020
**Skim Surface-mounted luminaires**

**Construction size**
- Size 3
- Size 5

**LED module**
- Maximum value at 4000K CRI 82
- Size 3: 8W/1100lm, 13W/1640lm
- Size 5: 18W/2475lm, 28W/3690lm

**Light colour**
- 2700K CRI 92, 3500K CRI 92
- 3000K CRI 92, 4000K CRI 82
- 3000K CRI 97, 4000K CRI 92

**Light distribution**
- Surface-mounted downlights: Wide flood, Oval flood, Extra wide flood
- Surface-mounted downlights oval flood: Wide flood, Oval flood, Extra wide flood

**Control**
- Switchable
- Phase dimmable
- DALI

**Colour (housing)**
- White
- 10,000 colours *

**Accessories**
- Spacer set
Aurecon, Brisbane.
Photography: Jackie Chan, Sydney.
Jilly square – The versatile light for modern work

An independent design for efficient and ergonomic light in offices

Jilly surface-mounted luminaires are suitable for the particularly efficient, standard-compliant lighting of office workplaces – in rooms with solid ceilings and also for uncomplicated modernisation purposes. The elegant, flat housing and striking anti-dazzle louvres make Jilly a design statement that stands out from conventional office luminaires. Jilly’s lighting technology combines a highly efficient lens system with an anti-dazzle louvre for visual comfort and luminous efficacy at the same high level. The wattage and light distribution enable wide luminaire spacing for economical lighting concepts that comply to standards. With Jilly surface-mounted luminaires, lighting designers can choose between two square sizes and a linear luminaire. The format and luminous flux can thus be adapted to the room situation. Many well thought-out details facilitate mounting and make installation simple, efficient and safe.

Related ranges

- Jilly linear (Surface-mounted luminaires) Page 440
- Jilly square (Recessed luminaires) Page 380
- Jilly linear (Pendant luminaires) Page 484
- Jilly for track 220-240V Page 230
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 **ERCO lens system**
   - Made of optical polymer
   - Light distributions: extra wide flood or oval wide flood

2 **ERCO LED-module**
   - Mid-power LEDs: warm white (3000K) or neutral white (4000K)

3 **Louvre**
   - Polymer, black lacquered or aluminium vaporised, silver, mirror-finish

4 **Housing**
   - White (RAL9002)
   - Polymer
   - Ceiling fixture: metal

5 **Control gear**
   - Switchable, phase dimmable or DALI dimmable
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

**Variants on request**
- Mid-power LEDs: 2700K, 3000K, 3500K or 4000K with CRI 92
- Anti-glare louvre: gold matt, silver matt, champagne matt or copper matt-coated and other colours
- Housing: 10,000 further colours

Please contact your ERCO consultant.

Design and application:
www.erco.com/jilly-square-s
Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

Louvres for efficient visual comfort
A louvre is designed to restrict the view into the luminaire, achieving efficient visual comfort with an emission angle of 90°. An anti-glare louvre available in black or silver enables the luminaire to blend with the material and colour of the ceiling.

Special characteristics
- UGR
- For office workstation lighting from UGR 14.5
- Improved visual comfort
- ERCO mid-power LEDs
- Efficient lens system
- EMC-optimised
- Different light colours
- Various construction sizes
- Easy installation
- Switchable
- Phase dimmable
- DALI dimmable

Jilly square Surface-mounted luminaires
Jilly square Surface-mounted luminaires

Construction size
- Size 5
- Size 14

LED module
- Maximum value at 4000K CRI 82
- 10W/1535lm
- 36W/6735lm

Light colour
- 2700K CRI 92
- 3000K CRI 82
- 3000K CRI 92
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

Light distribution
- Surface-mounted downlights
- Surface-mounted downlights oval wide flood
- Extra wide flood
- Oval wide flood

Control
- Switchable
- Phase dimmable
- DALI

Colour (housing/louvre)
- White/Silver 10,000 colours */Silver
- White/Black 10,000 colours */Black
- White/Silver 10,000 colours */Silver
- White/Black 10,000 colours */Black

Accessories
- Spacer set
Article numbers and planning data:
www.erco.com/017833
Design and application:
www.erco.com/jilly-square-s

* available on request
Jilly linear – The versatile light for modern work

An independent design for efficient and ergonomic light in offices

Jilly surface-mounted luminaires are suitable for the particularly efficient, standard-compliant lighting of office workplaces – in rooms with solid ceilings and also for uncomplicated modernisation purposes. The elegant, flat housing and striking anti-dazzle louvres make Jilly a design statement that stands out from conventional office luminaires. Jilly’s lighting technology combines a highly efficient lens system with an anti-dazzle louvre for visual comfort and luminous efficacy at the same high level. The wattage and light distribution enable wide luminaire spacing for economical lighting concepts that comply to standards. With Jilly surface-mounted luminaires, lighting designers can choose between two square sizes and a linear luminaire. The format and luminous flux can thus be adapted to the room situation. Many well thought-out details facilitate mounting and make installation simple, efficient and safe.

Related ranges

Jilly square
Surface-mounted luminaires
Page 434

Jilly linear
Recessed luminaires
Page 386

Jilly linear
Pendant luminaires
Page 484

Jilly for track
220-240V
Page 230
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO lens system**
   - Made of optical polymer
   - Light distributions: extra wide flood or oval wide flood

2. **ERCO LED-module**
   - Mid-power LEDs: warm white (3000K) or neutral white (4000K)

3. **Louver**
   - Polymer, black lacquered or aluminium vaporised, silver, mirror-finish

4. **Housing**
   - White (RAL9002)
   - Aluminium profile/polymer, powder-coated
   - Ceiling fixture: metal

5. **Control gear**
   - Switchable or DALI dimmable

**Variants on request**

- Mid-power LEDs: 2700K, 3000K, 3500K or 4000K with CRI 92
- Anti-glare louvre: gold matt, silver matt, champagne matt or copper matt-coated and other colours
- Housing: 10,000 further colours

Please contact your ERCO consultant.

Design and application:
www.erco.com/jilly-linear-s
Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

Louvers for efficient visual comfort
A louvre is designed to restrict the view into the luminaire, achieving efficient visual comfort with an emission angle of 90°. An anti-glare louvre available in black or silver enables the luminaire to blend with the material and colour of the ceiling.

Special characteristics
- For office workstation lighting from UGR 14.0
- Improved visual comfort
- ERCO mid-power LEDs
- Efficient lens system
- Different light colours
- Excellent thermal management
- EMC-optimised
- Easy installation
- Switchable
- DALI dimmable

Jilly linear Surface-mounted luminaires
Jilly linear Surface-mounted luminaires

Construction size
Jilly linear
1106mm

LED module
Maximum value at 4000K CRI 82
36W/6735lm

Light colour
- 2700K CRI 92 *
- 3000K CRI 82
- 3000K CRI 92 *
- 3500K CRI 92 *
- 4000K CRI 82
- 4000K CRI 92 *

Light distribution
Surface-mounted downlights
- Extra wide flood
Surface-mounted downlights oval wide flood
- Oval wide flood

Control
- Switchable
- DALI

Colour (housing/louvre)
- White/Silver
  - 10,000 colours */ Silver
- White/Black
  - 10,000 colours */ Black

Accessories
- Spacer set
Compar square – The simple path to perfect light

Compact surface-mounted luminaires with versatile, high quality lighting technology

High quality surface-mounted luminaires are the right choice for rooms with solid ceilings and also for simple modernisation purposes. For office spaces and many other applications in the management sector or public buildings, the Compar range offers surface-mounted luminaires that blend elegantly into the architecture thanks to their extremely slim and compact square housings. As indicated by the name, the lighting technology is akin to the Compar recessed luminaires. Three lumen packages enable differentiated lighting concepts with sufficient luminous flux also for high rooms. The highly efficient optics enable various light distributions with a uniform appearance of the luminaires. This enables the lighting to be matched to various uses and differing room conditions. Compar is optimised for office workplaces with high visual comfort and also improves levels of cost efficiency in circulation areas and foyers due to wide distances between luminaires.

Related ranges

Compar linear
Surface-mounted luminaires
Page 452

Compar linear
Recessed luminaires
Page 392

Compar linear
Pendant luminaires
Page 490

Compar linear
for track 220-240V
Page 236
**Structure and characteristics**

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO lens system**
   - Made of optical polymer
   - Light distributions: wide flood, extra wide flood, oval wide flood or oval flood

2. **ERCO LED-module**
   - High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3. **Louvre**
   - Polymer, black lacquered or aluminium vaporised, silver, mirror finish
   - Cut-off angle 30°

4. **Housing**
   - White (RAL9002)
   - Cast aluminium/polymer, powder-coated
   - Ceiling fixture: metal

5. **Control gear**
   - Switchable, phase dimmable or DALI dimmable
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

**Variants on request**
- Anti-dazzle louvre: coated matt gold, matt silver or matt champagne
- Housing: 10,000 further colours

Please contact your ERCO consultant.

Design and application:
www.erco.com/compar-square-s
Louvre for efficient visual comfort
A louvre is designed to restrict the view into the luminaire, achieving efficient visual comfort with an emission angle of 90°. An anti-glare louvre available in black or silver enables the luminaire to blend with the material and colour of the ceiling.

Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

Special characteristics
- Excellent visual comfort
- For office workstation lighting from UGR 6.9
- Small luminaire dimensions
- ERCO high-power LEDs
- Excellent thermal management
- Phase dimmable
- Switchable
- Efficient lens system
- Cut-off 30°
- EMC-optimised
- Easy installation
- DALI dimmable
- Different light colours
**Compar square** Surface-mounted luminaires

**Construction size**

![202mm construction size diagram]

**LED module**

<table>
<thead>
<tr>
<th>Light Output</th>
<th>lm</th>
</tr>
</thead>
<tbody>
<tr>
<td>12W</td>
<td>1800</td>
</tr>
<tr>
<td>24W</td>
<td>3300</td>
</tr>
<tr>
<td>38W</td>
<td>4920</td>
</tr>
</tbody>
</table>

**Light colour**

- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

**Light distribution**

- Wide flood
- Oval wide flood
- Extra wide flood
- Surface-mounted downlights oval flood
- Oval flood

**Control**

- Switchable
- Phase dimmable
- DALI

**Colour (housing/ louvre)**

- White/Silver: 10,000 colours */ Silver
- White/Black: 10,000 colours */ Black

**Accessories**

- Spacer set
Compar linear – Powerhouse for linear aesthetics

Versatile, elegant surface-mounted luminaires with a linear profile

Two linear Compar modules, united in an elegant, slender profile: Compar linear surface-mounted luminaires feature uncomplicated installation, and are simultaneously high quality tools for illuminating offices and public buildings. The innovative linear lighting technology offers various wattages and light distributions – for general lighting as well as for the standard-compliant, glare-free lighting of office workplaces. The catches for fixing to the ceiling fitting are discreetly concealed in a slender shadow gap. These luminaires therefore expand the Compar family into a range that can be used to solve a wide variety of lighting tasks in a uniform way.

Related ranges

- Compar linear Recessed luminaires Page 392
- Compar linear Pendant luminaires Page 490
- Compar square Surface-mounted luminaires Page 446

ERCO Program 2020
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
- Made of optical polymer
- Light distributions: wide flood, extra wide flood, oval wide flood or oval flood

2 ERCO LED-module
- High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3 Louvre
- Polymer, black lacquered or aluminium vaporised, silver, mirror-finish
- Cut-off angle 30°

4 Housing
- White (RAL9002)
- Aluminium profile, powder-coated
- Ceiling fixture: metal

5 Control gear
- Switchable or DALI dimmable

Variants on request
- Anti-dazzle louvre: coated matt gold, matt silver or matt champagne
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application: www.erco.com/compar-linear-s
Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using 'blanket' values, but should be implemented according to the individual arrangement of luminaires in the room.

Louvres for efficient visual comfort
A louvre is designed to restrict the view into the luminaire, achieving efficient visual comfort with an emission angle of 90°. An anti-glare louvre available in black or silver enables the luminaire to blend with the material and colour of the ceiling.

Special characteristics
- Excellent visual comfort
- ERCO high-power LEDs
- Efficient lens system
- Cut-off 30°
- Different light colours
- Excellent thermal management
- EMC-optimised
- Easy installation
- Switchable
- DALI dimmable

ERCO Program 2020
**Compar linear Surface-mounted luminaires**

**Construction size**
- 1200mm

**LED module**
- Maximum value at 4000K CRI 82
  - 24W/3300lm
  - 38W/4920lm

**Light colour**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

**Light distribution**
- Surface-mounted downlights
- Wide flood
- Oval wide flood
- Extra wide flood
- Surface-mounted downlights oval flood
- Oval flood

**Control**
- Switchable
- DALI

**Colour (housing/louvre)**
- White/Silver
- 10,000 colours */ Silver
- White/Black
- 10,000 colours */ Black

**Accessories**
- Spacer set
Pendant luminaires provide economical general lighting with a high level of visual comfort and are simultaneously a succinct detail of the architecture. They are often used when room zones or focal points are highlighted by light, but also if these are to be marked as architectural elements by the luminaires themselves. Pendant luminaires with tunable white additionally support lighting concepts such as Human Centric Lighting, for example for use in offices.

Overview of all ranges from p. 462
www.erco.com/pendant
Light for meeting rooms
- Wide light distribution for planar illumination from a short distance
- Harmonious brightness distribution without shadows on the faces of the participants in the discussion
- Indirect lighting achieves a bright impression of the room with diffuse shadows

Products used:
Compar linear p. 488

Attractively illuminating counters
- High illuminances mark important places in a room
- Combination of functional light and elegant appearance
- Magically luminous ring creates a decorative detail and good facial recognition

Products used:
Starpoint p. 476
Elegantly illuminating office environments

- System design available as pendant luminaire, recessed and surface-mounted variant and downlight for track
- Highly efficient lens system with anti-glare louvre achieves high visual comfort
- Integrated uplight with tunable white allows dynamic lighting concepts

Products used:
Jilly linear p. 482
Creating pleasant general lighting

- Individually adjustable mounting height
- Installation possible with canopy or with track adapter
- General lighting with very good visual comfort and high illuminances

Products used:
**Quintessence** p. 464

Lighting from large heights

- High lumen-output luminaires for use in high rooms
- Narrow downlight distributions for precise lighting from large heights
- Optional indirect component brightens the spatial impression and softens contrasts

Products used:
**Atrium** p. 470
This distinguishes our pendant luminaires

**Tunable white technology**

Just as the outdoor colour temperature changes during the day, the colour temperature of lighting indoors can be adjusted to support lighting concepts for Human Centric Lighting for example.

**Decorative luminaire edge**

The translucent ring with Starpoint creates a magical light effect.

**Very high visual comfort**

Anti-glare louvres enable standard-compliant office lighting with UGR<19.
High rooms
Particularly high rooms such as airport terminals and concert halls demand high-lumen output luminaires. With pendant luminaires up to 9840 lumens, you can illuminate efficiently and with high visual comfort even from very large distances.

Integrated uplight
If light should also display and highlight the ceiling, Atrium double focus pendant luminaires provide new options. The integrated uplight particularly accentuates the dimension of high rooms.

Dimming
In-house developed control gear enables uniform operating behaviour of luminaire groups and dimming down to 1% — important for use as hall lighting in cinemas, theatres and concert auditoriums. With DALI control, the dimming value achieves as low as 0.1%.

Customise
"ERCO individual" offers extensive options for the customising of product ranges:
www.erco.com/individual

Always the right light distribution
Whatever you wish to illuminate, with ERCO you’ll find the right light distribution. From wide beam floodlighting to the efficient illumination of workstations.
Pendant luminaires

**Pendant downlights**

- **Quintessence round**
  - Available in three sizes
  - ERCO darklight technology
  - Very high visual comfort with wide light distributions
  - Community, Work

- **Atrium double focus**
  - Indirect lighting available
  - Ideal for high and very high rooms
  - Very high visual comfort
  - Community, Contemplation

- **Starpoint**
  - Small luminaire dimensions
  - Decorative light emission
  - Available in chrome
  - Hospitality, Living

- **Jilly linear**
  - For office workstation lighting as of UGR<16
  - Indirect lighting with tunable white available
  - Anti-glare louvre in various colours
  - Work

- **Compar linear**
  - For office workstation lighting as of UGR<16
  - Indirect lighting with tunable white available
  - ERCO darklight technology
  - Work
mai public relations, Berlin.

Quintessence round – The system solution for excellent visual comfort

The lighting tool for customised light point heights and large luminaire spacing
With Quintessence designed as a pendant luminaire, the height of the light source can be adjusted individually in relation to the architecture and its use. In sacred places, for example, directed light creates a contemplative atmosphere. Styled with simplicity in mind, Quintessence adds visual accents in historic as well as modern architecture and allows adjustment of the pendant length to customise the height of the light source on site. As well as mounting with baldachin, Quintessence pendant luminaires can be fixed to track with a transadapter, enabling flexible positioning in the room. With an emission angle of 90° and a 40° cut-off, Quintessence pendant luminaires in different sizes are the ideal lighting tool for uniform ambient lighting with high cylindrical illuminances. The exceptionally wide beam enables large luminaire spacing with highly uniform illuminance distribution and excellent glare control.

Related ranges
Quintessence round
Recessed spotlights, recessed floodlights
Page 252
Quintessence round
Recessed luminaires
Page 318
Quintessence round
Surface-mounted luminaires
Page 410
Quintessence round
Recessed luminaires
Page 718
**Structure and characteristics**

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. ERCO darklight reflector
   - Cut-off angle 40°
   - Polymer, aluminium vaporised, mirror-finish

2. ERCO LED-module
   - High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3. Diffuser lens
   - Made of optical polymer
   - Light distribution: extra wide flood

4. Cylinder
   - White (RAL9002)
   - Aluminium profile, powder-coated

5. Control gear
   - Switchable

6. ERCO transadapter or ceiling fixture with canopy
   - White
   - Connection cable with strain relief

**Variants on request**
- Reflector: coated matt gold, matt silver or matt champagne
- Housing: 10,000 further colours

Please contact your ERCO consultant.
**Very high visual comfort**

The darklight reflector combines maximum visual comfort with an optimum light output ratio.

**Special characteristics**

- Excellent visual comfort
- ERCO high-power LEDs
- Cut-off 40°
- Excellent thermal management
- EMC-optimised
- Different light colours
- Various construction sizes
- Switchable
Quintessence round Pendant luminaires

**Construction size**

Size 3

Size 4

**LED module**

Maximum value at 4000K CRI 82

- 12W/1650lm
- 18W/2475lm

**Light colour**

- 2700K CRI 92
- 3500K CRI 92
- 3000K CRI 92
- 4000K CRI 82
- 3000K CRI 97
- 4000K CRI 92

**Light distribution**

- Pendant downlights
  - Extra wide flood

**Control**

- Switchable

**Colour (housing)**

- White
  - 10,000 colours *
White
10,000 colours *
Switchable
Size 5
24W/3300lm

Pendant downlights
Extra wide flood
Switchable

* available on request

Article numbers and planning data:
www.erco.com/015736
Design and application:
www.erco.com/quintessence-pendant
Atrium double focus – Sophisticated light for high rooms

Versatile, powerful lighting technology and minimalist design - for nuanced lighting from large heights

With high lumen output and good glare control, Atrium double focus luminaires are particularly suitable for use in high rooms, for example in the foyers of public buildings and sacred spaces. The neutrally designed cylindrical housing of the pendant luminaires is given a striking design accent with the light-tight ventilation gap. The lighting technology with collimators and Spherolit lenses creates narrow downlight light distributions and thus provides precise illumination from large heights. The optional indirect component creates atmosphere and reduces contrasts. Their low weight allows them to be suspended easily via the power cord. All Atrium luminaires have a black anti-glare cone for particularly high visual comfort. The own-developed control gear provides uniform operating behaviour of luminaire groups and dimming values down to 0.1% via DALI - an important criterion in the typical areas of application.

Related ranges

Atrium double focus
Recessed luminaires
Page 346

Atrium double focus
Surface-mounted luminaires
Page 416
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spheralit lens (light emission below)
   - Light distributions: flood or wide flood
   - Diffuser (light emission upwards)
   - Polymer

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

3 Cylinder
   - White (RAL9002), black or silver
   - Aluminium profile, powder-coated, inner black-coated
   - Cut-off angle 30° or 40°
   - Cone: polymer, black

4 Control gear
   - Switchable, phase dimmable or DALI dimmable
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

5 Ceiling fixture with canopy
   - White or black
   - Connection cable with strain relief

Variants on request
   - Housing: 10,000 further colours
   - Please contact your ERCO consultant.

Design and application:
www.erco.com/atrium-df-pendant
**Very high visual comfort**
ERCO has developed luminaires with special housing designs and high quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

**Large lumen packages for very high illuminances**
The good glare control of the lens systems enables large lumen packages with high visual comfort.

**Suitable for high rooms**
Theatres, atria and lecture halls are usually illuminated from the ceiling and therefore from a large height. Efficient lighting solutions for high rooms have luminaires that project the light precisely onto the surface to be illuminated, in this way avoiding spill light.

**Special characteristics**
- Excellent visual comfort
- Large lumen packages for very high illuminances
- Suitable for high rooms
- ERCO high-power LEDs
- Efficient Spherolit technology
- Cut-off 30°/40°
- Excellent thermal management
- EMC-optimised
- Various housing colours
- Various construction sizes
- Switchable
- Phase dimmable
- DALI dimmable

Atrium double focus Pendant luminaires
Atrium double focus Pendant luminaires

Construction size

LED module
Maximum value at 4000K CRI 82

Light colour (direct)

Light distribution

Control

Colour (housing)

Accessories

Switchable
Phase dimmable
DALI

White
Silver
Black
10,000 colours *

Pendant tube suspension

Pendant downlights
Flood
Wide flood

24W/3300lm 38W/4920lm

2700K CRI 92 3500K CRI 92
3000K CRI 92 4000K CRI 82
3000K CRI 97 4000K CRI 92

Pendant downlights
Flood
Wide flood

2700K CRI 92 3500K CRI 92
3000K CRI 92 4000K CRI 82
3000K CRI 97 4000K CRI 92

48W/6600lm 76W/9840lm

24W/3300lm 38W/4920lm

2700K CRI 92 3500K CRI 92
3000K CRI 92 4000K CRI 82
3000K CRI 97 4000K CRI 92

Pendant downlights
Flood
Wide flood

2700K CRI 92 3500K CRI 92
3000K CRI 92 4000K CRI 82
3000K CRI 97 4000K CRI 92

White Silver
Black 10,000 colours *

White Silver
Black 10,000 colours *
Construction size

Size 5

Size 7

LED module
Maximum value at 4000K CRI 82

Light colour (direct)

2700K CRI 92  
3000K CRI 92  
3000K CRI 97  
3500K CRI 92  
4000K CRI 82  
4000K CRI 92

Light colour (indirect)

2700K CRI 92  
3000K CRI 92  
3000K CRI 97  
3500K CRI 92  
4000K CRI 82  
4000K CRI 92

Light distribution

Pendant downlights

Flood

Wide flood

Control

Switchable

Phase dimmable

DALI

Colour (housing)

White

Silver

Black

10,000 colours *

10,000 colours *

* available on request

Article numbers and planning data:

www.erco.com/017686

Design and application:

www.erco.com/atrium-df-pendant

ERCO Program 2020 477
Starpoint – Illuminating tables for glamorous effect

**Pendant luminaires for hotels, bars and restaurants**

The Starpoint pendant luminaire combines the design principles of “ambient luminescence” and “play of brilliants” coined by Richard Kelly. The light beam, directed downwards, presents cuisine and cocktails on the tables and counters in the perfect light. The luminaire cover with its strikingly illuminated ring creates an effective eye-catcher. The translucent element, which is visible only when illuminated, makes for a subtle decorative detail in the room – ideal for hotels, bars and restaurants. A chrome version adds a touch of mid-century glamour and lends itself to combination with rough materials such as wood or natural stone, thereby creating a compelling contrast.

**Related ranges**

- **Starpoint**
  - Recessed spotlights, recessed floodlights
  - Page 264
- **Starpoint**
  - Recessed luminaires
  - Page 354
- **Starpoint**
  - Surface-mounted luminaires
  - Page 422
- **Starpoint**
  - Wall-mounted luminaires
  - Page 530
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
   - Made of optical polymer
   - Light distribution: extra wide flood

2 ERCO LED-module
   - High-power LEDs: warm white (3000K) or neutral white (4000K)

3 Translucent ring
   - Optical cut-off 30°
   - Polymer, clear, outside mirrorfinish vapourised
   or
   - Anti-glare cone
     - Optical cut-off 30°
     - Polymer, black

4 Cylinder
   - White (RAL9002), black or chrome
   - Aluminium profile, powder-coated or chromed

5 Control gear
   - Phase dimmable
   - Dimming with external dimmers possible (trailing edge)

6 ERCO 3-phase adapter or ceiling fixture with canopy
   - White or black
   - Connection cable, translucent, with strain relief

Variants on request
   - Light colours: 2700K or 4000K with CRI 90
   - Housing: 10,000 further colours
   Please contact your ERCO consultant.

Design and application:
www.erco.com/starpoint-pendant
Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

Decorative luminaire edge
The translucent ring with Starpoint creates a magical light effect.

Special characteristics
- Small luminaire dimensions
- Decorative luminaire edge
- ERCO high-power LEDs
- Efficient lens system
- Optical cut-off 30°
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various housing colours
- Phase dimmable
Starpoint Pendant luminaires

Construction size

Size 2

LED module
Maximum value at 4000K CRI 80

Light colour

2700K CRI 90 *  4000K CRI 80

3000K CRI 90  4000K CRI 90 *

Light distribution

Pendant downlights
Extra wide flood

Control

Phase dimmable

Colour (housing)

White  White/translucent
Black  Black/translucent
Chrome  Chrome/translucent
10,000 colours *  10,000 colours */ translucent

* available on request

Article numbers and planning data: www.erco.com/012487
Design and application: www.erco.com/starpoint-pendant
Jilly linear – The versatile light for modern work

An independent design for efficient and ergonomic light in offices
As with the entire Jilly range, Jilly pendant luminaires also specialise in the particularly efficient, standard-compliant lighting of office workplaces. As a pendant luminaire, Jilly offers lighting designers complete freedom to arrange luminaires flexibly and at optimum height in the room. The elegant, flat housing and striking anti-dazzle louvres make Jilly a design statement that stands out from conventional office luminaires. Jilly’s lighting technology combines a highly efficient lens system with an anti-dazzle louvre for visual comfort and luminous efficacy at the same high level. Optionally, an integrated uplight provides diffuse upward light. In the tunable white version, Jilly also supports dynamic lighting concepts which bring the rhythm of daylight into the office.

Related ranges

- **Jilly** for track 220-240V
  - Page 230
- **Jilly linear**
  - Recessed luminaires
  - Page 386
- **Jilly linear**
  - Surface-mounted luminaires
  - Page 440
- **Jilly square**
  - Recessed luminaires
  - Page 380
Jilly linear Pendant luminaires

Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
   - Made of optical polymer
   - Light distributions: extra wide flood or oval wide flood

2 ERCO LED-module
   - Mid-power LEDs: warm white (3000K), neutral white (4000K) and tunable white (3000-6000K)

3 Anti-dazzle louvre (light emission below)
   - Polymer, black lacquered or aluminium vaporised, silver, mirror-finish
   - Diffuser (light emission upwards)
   - Polymer, textured

4 Housing
   - White (RAL9002)
   - Aluminium profile/polymer, powder-coated

5 Control gear
   - Switchable or DALI dimmable

6 Suspensions
   - Wire suspension with 1-point ceiling fixing and rapid wire connector for height compensation
   - Ceiling fixture with canopy: metal/polymer, white

Variants on request
   - Mid-power LEDs: 2700K, 3000K, 3500K or 4000K with CRI 92
   - Anti-glare louvre: gold matt, silver matt, champagne matt or copper matt-coated and other colours
   - Housing: 10,000 further colours
   - Please contact your ERCO consultant.

Design and application:
www.erco.com/jilly-linear-pendant
Suitable for office workstations
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

Tunable white technology
Just as the colour temperature outdoors changes continuously during the day, the colour temperature of indirect lighting can be adjusted indoors to e.g. support lighting concepts for Human Centric Lighting.

Louvres for efficient visual comfort
A louvre is designed to restrict the view into the luminaire, achieving efficient visual comfort with an emission angle of 90°. An anti-glare louvre available in black or silver enables the luminaire to blend with the material and colour of the ceiling.

### Special characteristics

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>UGR</td>
<td>For office workstation lighting from UGR 13.8</td>
</tr>
<tr>
<td>Tunable white</td>
<td>Tunable white technology</td>
</tr>
<tr>
<td>Improved visual comfort</td>
<td>Efficient lens system</td>
</tr>
<tr>
<td>ERCO mid-power LEDs</td>
<td>Excellent thermal management</td>
</tr>
<tr>
<td>Different light colours</td>
<td>EMC-optimised</td>
</tr>
<tr>
<td>Switchable</td>
<td>DALI dimmable</td>
</tr>
</tbody>
</table>

Jilly linear Pendant luminaires
**Jilly linear Pendant luminaires**

**Construction size**
- 1500mm

**LED module**
- Maximum value at 4000K CRI 82
- 24W/4490lm

**Light colour (direct)**
- 2700K CRI 92 *
- 3000K CRI 82
- 3000K CRI 92 *
- 3500K CRI 92 *
- 4000K CRI 82
- 4000K CRI 92 *

**Light distribution**
- Pendant downlights
- Pendant downlights oval wide flood
- Extra wide flood
- Oval wide flood

**Control**
- Switchable
- DALI

**Colour (housing/louvre)**
- White/Silver: 10,000 colours */
  - Silver
- White/Black: 10,000 colours */
  - Black
Construction size 1500mm

LED module
- Maximum value at 4000K CRI 82
- 39W/7260lm
- 64W/8640lm

Light colour
- (direct)
  - 2700K CRI 92
  - 3000K CRI 82
  - 3000K CRI 92
- (indirect)
  - 2700K CRI 92
  - 3000K CRI 82
  - 3000K CRI 92

Light distribution
- Pendant downlights oval wide flood
- Extra wide flood
- Oval wide flood

Control
- Switchable
- DALI

Colour (housing/louvre)
- White/Silver 10,000 colours */ Silver
- White/Black 110,000 colours */ Black

* available on request

Article numbers and planning data:
www.erco.com/017796
Design and application:
www.erco.com/jilly-linear-pendant

ERCO Program 2020 489
Compar linear – Linear, with high output and extremely variable

Highly diverse pendant luminaires with linear profiles and direct/indirect illumination
A highly purist appearance but with extremely flexible light effects – such is the concept of Compar pendant luminaires, that with their slender, minimalist luminaire body are ideal for architectural lighting and prestigious offices. The dimensions of the suspended profile precisely match Hi-trac tracks. It combines direct and indirect light components: two Compar modules per luminaire head are for direct lighting with high visual comfort. The innovative linear lighting technology offers various wattages and light distributions for glare-free workstation lighting in accordance with standards and per application. The integrated uplight emits diffuse light upwards. In addition to light colours from the ERCO system of luminaires, the luminaire is also available in a tunable white version: for atmospheric, dynamic ambient lighting or concepts integrating the rhythm of daylight into offices.

Related ranges

Compar for track 220-240V Page 236
Compar linear Recessed luminaires Page 392
Compar linear Surface-mounted luminaires Page 452
Compar square Surface-mounted luminaires Page 446
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
- Made of optical polymer
- Light distributions: wide flood, extra wide flood or oval wide flood

2 ERCO LED-module
- High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
- Mid-power LEDs: Tunable white (3000-6000K)

3 Anti-dazzle louvre (light emission below)
- Polymer, black lacquered or aluminium vapourised, silver, mirror-finish
- Cut-off angle 30°

4 Housing
- Aluminium profile, powder-coated

5 Control gear
- Switchable or DALI dimmable

6 Suspensions
- Wire suspension with 1-point ceiling fixing and rapid wire connector for height compensation
- Ceiling fixture with canopy: metal/polymer, white

Variants on request
- Anti-dazzle louvre: coated matt gold, matt silver or matt champagne
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/compar-linear-pendant
**Very high visual comfort**
A louver is designed to restrict the view into the luminaire, achieving efficient visual comfort with an emission angle of 90°. An anti-glare louver available in black or silver enables the luminaire to blend with the material and colour of the ceiling.

**Tunable white technology**
Just as the colour temperature outdoors changes continuously during the day, the colour temperature of indirect lighting can be adjusted indoors to e.g. support lighting concepts for Human Centric Lighting.

**Suitable for office workstations**
ERCO develops luminaires with the specifications of good glare control and high visual comfort. UGR values are used as support for purely norm-referenced lighting. With downlights though this should not be carried out using ‘blanket’ values, but should be implemented according to the individual arrangement of luminaires in the room.

### Special characteristics

<table>
<thead>
<tr>
<th>Feature</th>
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<tbody>
<tr>
<td><strong>Excellent visual comfort</strong></td>
<td></td>
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<tr>
<td><strong>For office workstation lighting from UGR 14.9</strong></td>
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<tr>
<td><strong>Tunable white</strong></td>
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</tbody>
</table>

ERCO high-power LEDs  
Efficient lens system  
Cut-off 30°  
Different light colours  

Excellent thermal management  
EMC-optimised  
Various construction sizes  

Switchable  
DALI dimmable
Compar linear Pendant luminaires

Construction size

LED module
Maximum value at 4000K CRI 92

Light colour (direct)

Light distribution (direct)

Control

Colour (housing/louvre)
**Construction size**
- 3000
- 38
- 72
- 1200

**LED module**
- **Maximum value at 4000K CRI 82**
- 42W/5775lm
- 66W/6100lm
- 64W/7450lm
- 78W/9070lm

**Light colour (direct)**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

**Light colour (indirect)**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

**Light distribution (direct)**
- Pendant downlights
- Wide flood
- Oval wide flood
- Extra wide flood

**Control**
- Switchable
- DALI

**Colour (housing/louvre)**
- White/Silver
- White/Black
- 10,000 colours */ Silver
- 10,000 colours */ Black
- 10,000 colours */ White/Silver
- 10,000 colours */ White/Black

*available on request

Article numbers and planning data:
www.erco.com/016773

Design and application:
www.erco.com/compar-linear-pendant
### Compar linear Pendant luminaires

<table>
<thead>
<tr>
<th>Construction size</th>
<th>1600mm</th>
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<tbody>
<tr>
<td>LED module</td>
<td></td>
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<tr>
<td>Maximum value</td>
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<tr>
<td>at 4000K CRI 82</td>
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<tr>
<td>Light colour</td>
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</table>
* available on request

Article numbers and planning data:
www.erco.com/016773

Design and application:
www.erco.com/compar-linear-pendant
Ergonomic. Different.
Task lights

Freely positionable, glare-free and dimmable – contemporary workstation lighting supports productive work with precise light that flexibly adapts to individual working habits. Placed prominently on every desk, task lights characterise office spaces and reflect the identity of a company. ERCO LED lighting tools not only impress with high visual comfort, durable lighting technology and energy efficiency, but also with their independent, space-saving design as a reflection of the technology used.

Overview of all ranges from p. 500
www.erco.com/task-lights
Light for creative work

- Luminaire head rotatable through 180° for free alignment of the light beam
- Stepless dimming down to 1% with push-button
- Memory function stores dimming settings when switching on again
- Luminaire on the table is freely positionable

Products used:
Lucy p. 502
Two luminaire variants for the desk

With its base, Lucy can be easily moved and offers individual light at the workplace. The integrated control gear and a plug-in power supply simplify handling. Without its base the luminaire can be inserted into the top of the desk. In this defined position, Lucy is ideal, for example, for workstations in public areas.

Very good visual comfort

The optical system is recessed in the luminaire and perfectly glare-reduced even when viewed at a very flat angle.

Rotatable through 180°

Either with base or fixed to the desk top, Lucy can be rotated through 180° and individually aligned with the visual task.

Dimmable how you like it

ERCO task lights can be switched on via touch dimmers on the luminaire and continuously dimmed down to 1%.
Various spectra
There is an ideal light colour and colour rendering for every application. For this reason ERCO offers a wide variety of spectra.

LED technology for workstations
The thermal management of ERCO task lights enables luminous flux optimised for the optical system. With power output of 13W, the luminaire is thus a lighting solution with low energy consumption for office workplaces.

Customise
“ERCO individual” offers extensive options for customising product ranges: www.erco.com/individual

As a variant for mounting on desks, Lucy can be inserted into desk tops with a thickness of 10–40mm.
Lucy

10W/860lm – 10W/1230lm

Very high visual comfort

Touch dimmer with memory function

Rotatable through 180°

Work, Community

Lucy – A new model for digital working light

Innovative design for productive working

Light for thinking, light for concentrated working, light for creative concepts – with Lucy ERCO delivers professional LED lighting technology to any workplace, such as libraries, offices or the home. The minimised solution with the stylish design ensures flexible deployment and intuitive operation. For permanent installation at workplaces in public buildings, the luminaire can be mounted flush with the desktop. As with its pedestal counterpart, the luminaire head can be rotated by 180° and adjusted individually. The integral optical system is protected inside the luminaire, thereby guaranteeing glare-free light with high visual comfort. Operated with an on/off dimmer switch, Lucy can be dimmed down continuously to 1%.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO LED-module
- High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

2 ERCO optical system
- Reflector: polymer, aluminium vapourised, mirror-finish
- Softec lens
- Anti-glare element: polymer, black

3 Luminaire
- White (RAL9002), black or silver
- Aluminium profile, powder-coated
- Rotatable through 180°
- Push button with integrated dimmer

4 Control gear
- Dimmable

5 Base
- Cast aluminium, powder-coated
- Base, non-slip polymer, anthracite
  or
Desk fixing
- Installation sleeve, brass, powder-coated, for tabletop thicknesses 10-40mm
- Screw fastening

6 Power adapter
Variants on request
- Housing: 10,000 further colours
  Please contact your ERCO consultant.

Design and application:
www.erco.com/lucy
Very high visual comfort
The optical system is recessed in the luminaire and perfectly glare-reduced even when viewed at a very flat angle.

Special characteristics

- Excellent visual comfort
- ERCO high-power LEDs
- Excellent thermal management
- EMC-optimised
- Various housing colours
- Dimmable

ERCO Program 2020
Lucy Task lights
**Lucy Task lights**

**Construction size**
- 749mm
- 710mm

**LED module**
- Maximum value at 4000K CRI 82
- 10W/1230lm

**Light colour**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92
- 3000K CRI 97

**Light distribution**
- Task lights
- Wide beam

**Control**
- Dimmable

**Colour (housing)**
- White
- Silver
- Black
- 10,000 colours *
- Black
- 10,000 colours *

* available on request
Wall luminaires

Wall luminaires are able to adopt a wide range of functions. Ceiling floodlights achieve ceiling illumination with high uniformity. Uplights aim to photometrically optimise the light output ratio and light distribution. As such, they’re predestined for economical indirect lighting. Floor washlights ensure the safe and reliable illumination of circulation routes.

Overview of all ranges from p. 514
www.erco.com/wall-luminaires
Making rooms appear larger
- Perfect ceiling washlighting to make rooms appear visually higher
- Wide or narrow light distribution according to the application
- RGBW luminaires available for coloured effects

Products used:
Trion p. 522
Pantrac p. 516
Focal point on the wall

- Magical grazing light for walls
- Light emission available upwards and downwards
- Chromed housing available

Products used:
Starpoint p. 528
Efficiently illuminating circulation routes

- Uniform floor washing marks steps and passages
- Large luminaire spacing for high cost-efficiency
- Available in round or square

Products used:
Floor washlights round p. 540

Providing orientation with light

- Points of light for good visibility on routes and stairs
- Wall flush mounting creates an elegant appearance
- Low-maintenance luminaires for economical operation

Products used:
Floor washlights XS p. 534
This distinguishes our wall luminaires

Outstanding uniformity

To meet the stringent standards of ceiling washlighting, ERCO has developed luminaires that generate exceptionally uniform levels of illuminance.

Always the right light distribution

Whatever you wish to illuminate, with ERCO you’ll find the right light distribution. From wide distribution ceiling washlighting to the illumination of walls.

Narrow or wide distribution

Large ceiling areas can be effectively illuminated with narrow light distributions. The wide distribution version of ceiling washlights with LED is suitable for the economical lighting of hallways and corridors.

Outstanding uniformity

To meet the stringent standards of ceiling washlighting, ERCO has developed luminaires that generate exceptionally uniform levels of illuminance.
Customise

“ERCO individual” offers extensive options for the customising of product ranges:

www.erco.com/individual

Available in round or square

The floor washlights are available in two versions – round and square – to match different designs.

Decorative luminaire edge

With light emission directed downwards, a magical light effect is created with the translucent ring.

Small luminaire dimensions

Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

Available in round or square

The floor washlights are available in two versions – round and square – to match different designs.

Decorative luminaire edge

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With light emission directed downwards, a magical light effect is created with the translucent ring.

Small luminaire dimensions

Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

Available in round or square

The floor washlights are available in two versions – round and square – to match different designs.

Decorative luminaire edge

With light emission directed downwards, a magical light effect is created with the translucent ring.

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Ceiling washlights and wall luminaires

Pantrac 516
Wide and deep beam light distributions available
Excellent ceiling washlighting
Large luminaire spacing
Community, Culture

Trion 522
Wide and deep beam light distributions available
RGBW available
High visual comfort with light limiter
Community, Culture

Starpoint 528
Small luminaire dimensions
Light emission available on both sides
Available in chrome
Hospitality

Floor washlights

Floor washlight XS 534
Small luminaire dimensions
Protection rating IP44
Hospitality

Floor washlight round 540
Large luminaire spacing
Discreet wall detail
Two wattages available
Hospitality, Community

Floor washlight square 546
Large luminaire spacing
Discreet wall detail
Two wattages available
Hospitality, Community
Pantrac – Lighting effects for ceilings

This ceiling washlight makes the task of creating uniform uplighting incredibly easy. Pantrac wall-mounted luminaires focus on adding lighting effects to ceilings. The luminaires bring out the support structure and lend rooms a higher appearance. Ceilings decorated with stucco and paintings are given a new dimension. Pantrac blends into its architectural surroundings. The archetypal cubic design remains unobtrusive letting the luminaire recede into the background. The luminaire is available in different sizes with a range of light distribution patterns. This ensures optimum illumination of the ceiling with a minimum number of luminaires. In this way, Pantrac represents not only an effective, but also a cost-efficient, lighting solution.

Related ranges

Pantrac
for track
220-240V
Page 218

ERCO Program 2020 519
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spheronit lens
   - Light distributions: wide beam or deep beam

2 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

3 Cover frame
   - Polymer, black lacquered

4 Housing and wall plate
   - White (RAL9002)
   - Cast aluminium, powder-coated

5 Control gear
   - Switchable, phase dimmable or DALI dimmable
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
   - Housing: 10,000 further colours
   Please contact your ERCO consultant.
Outstanding uniformity
To meet the stringent standards of ceiling washing, ERCO has developed luminaires that generate exceptionally uniform levels of illuminance.

Wide or deep beam distribution
The wide or deep beam distribution Spherolit lenses allow the light distribution to be matched to the lighting task at hand.

Wide luminaire spacing with ceiling washlighting
ERCO’s efficient photometrics enable selected luminaires to be spaced particularly far apart, thereby minimising the number of luminaires required.

Special characteristics
- Different light distributions: wide or deep
- Outstanding uniformity
- ERCO high-power LEDs
- Efficient Spherolit technology
- Wide luminaire spacing with ceiling washlighting
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Switchable
- Phase dimmable
- DALI dimmable
Pantrac Wall-mounted luminaires

Construction size
119mm x 119mm

LED module
12W/1650lm

Light colour
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97

Light distribution
- Ceiling washlights
  - Wide beam
  - Deep beam

Control
- Switchable
- Phase dimmable
- DALI

Colour (housing)
- White
- 10,000 colours *

208mm x 119mm

LED module
24W/3300lm

Light colour
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97

Light distribution
- Ceiling washlights
  - Wide beam
  - Deep beam

Control
- Switchable
- Phase dimmable
- DALI

Colour (housing)
- White
- 10,000 colours *
Trion – Lighting effects for ceilings

The ceiling washlight for sophisticated lighting that makes ceilings appear higher
Trion features perfect ceiling washlighting with an archetypal design. The ceiling washlight that blends discreetly into the architecture is ideal for giving rooms a more prestigious look. The outstanding uniformity of the ceiling illumination fulfils the highest demands. Trion’s special lens system also enables narrow and wide light distributions for various architectural requirements. A variant with an RGBW LED module completes the Trion programme, enabling ceilings to also be colour-illuminated.
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO Spherolit lens**
   - Light distributions: wide beam or deep beam

2. **ERCO LED-module**
   - High-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K) or RGBW
   - Collimating lens made of optical polymer
   - RGBW with parabolic reflector for colour mixing: aluminium, silver, highly specular anodised

3. **Cover frame**
   - Polymer, black lacquered
   - Light limiter: aluminium, black lacquered. For service safety the light limiter can be screw-fastened

4. **Housing and wall plate**
   - White (RAL9002)
   - Cast aluminium, powder-coated

5. **Control gear**
   - Switchable, phase dimmable or DALI dimmable
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request
- Housing: 10,000 further colours

Please contact your ERCO consultant.

Design and application:
www.erco.com/trion
Outstanding uniformity
To meet the stringent standards of ceiling washing, ERCO has developed luminaires that generate exceptionally uniform levels of illuminance.

Coloured light
Using coloured light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate coloured light very efficiently and flexibly.

Wide or deep beam distribution
The wide or deep beam distribution Spherolit lenses allow the light distribution to be matched to the lighting task at hand.

Wide luminaire spacing with ceiling washlighting
ERCO’s efficient photometrics enable selected luminaires to be spaced particularly far apart, thereby minimising the number of luminaires required.

Special characteristics
- Outstanding uniformity
- Different light distributions: wide or deep
- Coloured light
- Wide luminaire spacing with ceiling washlighting
- ERCO high-power LEDs
- Efficient Spherolit technology
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Easy installation
- Switchable
- Phase dimmable
- DALI dimmable
**Trion Wall-mounted luminaires**

**Construction size**
- 140mm
- 240mm

**LED module**
- Maximum value at 4000K CRI 82
- 12W/1650lm
- 24W/3300lm

**Light colour**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

**Light distribution**
- Ceiling washlights
- Wide beam
- Deep beam

**Control**
- Switchable
- Phase dimmable
- DALI

**Colour (housing)**
- White
- 10,000 colours *

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528  ERCO Program 2020
White
10,000 colours *
DALI
RGBW
30W/1900lm
Ceiling washlights
Wide beam
Deep beam
* available on request
Article numbers and planning data: www.erco.com/013153
Design and application: www.erco.com/trion
Starpoint – Compelling design feature on the wall

Wall-mounted luminaires for grazing light in hotels and restaurants

The Starpoint wall-mounted luminaire combines the design principles of “ambient luminescence” and “play of brilliants” coined by Richard Kelly. The light beam, directed downwards and optionally up, accentuates the wall with a striking grazing light effect. The luminaire cover with its strikingly illuminated ring creates an effective eye-catcher. The translucent element, which is visible only when illuminated, makes for a subtle decorative detail on the wall – ideal for bars, restaurants and hotels, but also for hallways and stairwells. A chrome version adds a touch of mid-century glamour and lends itself to combination with rough materials such as wood or natural stone, thereby creating a compelling contrast.

Related ranges

Starpoint
Recessed spotlights, recessed floodlights
Page 264

Starpoint
Recessed luminaires
Page 354

Starpoint
Surface-mounted luminaires
Page 422

Starpoint
Pendant luminaires
Page 478
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
   - Made of optical polymer
   - Light distribution: extra wide flood

2 ERCO LED-module
   - High-power LEDs: warm white (3000K) or neutral white (4000K)

3 Translucent ring
   - Optical cut-off 30°
   - Polymer, clear, outside mirror finish vaporised
   or
   - Anti-glare cone
   - Optical cut-off 30°
   - Polymer, black

4 Cylinder
   - White (RAL9002), black or chrome
   - Aluminium profile, powder-coated or chromed
   - Wall plate: cast aluminium/polymer, white or black
   - Tamper-proof screw

5 Control gear
   - Phase dimmable
   - Dimming with external dimmers possible [trailing edge]
   - Light colours: 2700K or 4000K with CRI 90
   - Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/starpoint-w
Decorative wall lighting
Striking light effects on walls can be created with grazing light. The light beams create focal points with a very decorative effect.

Decorative luminaire edge
The translucent ring with Starpoint creates a magical light effect.

Special characteristics
- Decorative wall-/ facade lighting
- Decorative luminaire edge
- ERCO high-power LEDs
- Efficient Spherolit technology
- Optical cut-off 30°
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various housing colours
- Easy installation
- Phase dimmable
Starpoint Wall-mounted luminaires

Construction size

LED module
Maximum value at 4000K CRI 80

Light colour

Construction size

Light distribution

Control

Colour (housing)

White

White/translucent

Black

Black/translucent

Chrome

Chrome/translucent

10,000 colours *

10,000 colours */translucent

4W/490lm

8W/980lm

2700K CRI 90 *

3000K CRI 90

4000K CRI 90 *

2700K CRI 90 *

3000K CRI 90

4000K CRI 90 *

Wall-mounted luminaires

Extra wide flood

Wall-mounted luminaires

Extra wide flood

Phase dimmable

Phase dimmable

White

White

Black

Black

Chrome

Chrome

10,000 colours *
Floor washlights XS – Light to mark the way

Minimalist lighting for corridors and traffic routes in hotels, public buildings and private areas

The floor washlight XS draws attention to traffic routes and facilitates orientation. Superior photometrics enable the unit to be miniaturised. As a result, the floor washlight XS is easy to integrate in architecture, but can also be combined with other ERCO luminaires – which all feature the same LED systems. Appropriate accessories are available for typical wall-mounting situations. Installed flush, the luminaire merges neatly with the wall – and is visible really only when it is switched on.
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO LED-module**
   - Light colours: Warm white (3000K) or neutral white (4000K)
   - Reflector: polymer, coated silver.

2. **Cover ring**
   - White (RAL9002)
   - Polymer, with protective glass

3. **Housing and installation sleeve**
   - Polymer
   - Cable
   - Installation unit to be ordered separately

**Protection mode IP44**

Protection against foreign bodies >1mm and protected against splashwater

Design and application:

Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

Protection mode IP44
Luminaires with protection rating IP44 are protected against solid foreign bodies larger than 1mm and feature protection against splash water from all directions.

Flush or covered mounting detail
Depending on the mounting enclosure, either a flush-wall or overlapping mounting detail is created.

Special characteristics
- Small luminaire dimensions
- Flush or covered mounting detail
- Protection mode IP44
- ERCO LEDs
- Excellent thermal management
- Different light colours
## Floor washlights XS Wall-mounted luminaires

### Construction size

- Ø 54mm

### LED module

- **Maximum value at 4000K**
  
  - 0.6W/24lm

### Light colour

- 3000K
- 4000K

### Light distribution

- Floor washlights
- Wide beam

### Control

- Switchable

### Colour (housing)

- White

### Accessories

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation unit</td>
<td></td>
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<tr>
<td>Installation sleeve</td>
<td></td>
</tr>
<tr>
<td>Distribution box</td>
<td>Mounting enclosure</td>
</tr>
</tbody>
</table>
Floor washlights round – Light for traffic zones

Quality lighting for stairs or floors in corridors and traffic routes
Corridors or stairs in hotels, theatres or cinemas are great places to use ERCO floor washlights. Thanks to uniform washlighting of the ground, the luminaires mark out traffic routes and passageways efficiently. Glare-free light combined with a soft-contoured beam help passers-by quickly adapt even to darker areas. ERCO floor washlights in round or square design effortlessly blend into the surrounding architecture.

Mounting the luminaires flush with the wall affords them a particular elegance and is easy to achieve using the mounting hardware supplied. The luminaires are maintenance-free and have an optimised light distribution, which means that only a few luminaires are needed. This makes the ERCO floor washlights a highlight even from an economic aspect.

Related ranges
Floor washlights square
Wall-mounted luminaires
Page 548
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO reflector and front plate
   - Polymer, silver surface-treated

2 Horizontal Softec lens

3 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer

4 Mounting ring
   - Can be used on both sides: for covering the wall cutout or as a plaster trim profile with installation detail flush with the wall
   - Mounting bracket: metal. Clamp extension 8-22mm
   - Polymer, white

5 Housing
   - for cavity wall installation
   - Polymer

6 Control gear
   - Switchable

Design and application:
www.erco.com/floor-washlight-round
Floor washlights round  Wall-mounted luminaires

Flush or covered mounting detail
Depending on the mounting ring, either a flush-wall or overlapping mounting detail is created.

Available in round or square
Luminaires in round or square form enable wall appearances that match the architecture and style of the interior.

Special characteristics

<table>
<thead>
<tr>
<th>Available in round or square</th>
<th>ERCO high-power LEDs</th>
<th>Excellent thermal management</th>
<th>Switchable</th>
<th>Different light colours</th>
<th>EMC-optimised</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flush or covered mounting detail</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Floor washlights round Wall-mounted luminaires

Construction size

LED module
Maximum value at 4000K CRI 82

Light colour

Light distribution

Control

Colour (housing)

* available on request Article numbers and planning data: www.erco.com/011735
Design and application: www.erco.com/floor-washlight-round
Floor washlights square – Light for traffic zones

Quality lighting for stairs or floors in corridors and traffic routes.
Corridors or stairs in hotels, theatres or cinemas are great places to use ERCO floor washlights. Thanks to uniform washlighting of the ground, the luminaires mark out traffic routes and passageways efficiently. Glare-free light combined with a soft-contoured beam help passers-by quickly adapt even to darker areas. ERCO floor washlights in round or square design effortlessly blend into the surrounding architecture.

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Related ranges

Floor washlights round
Wall-mounted luminaires
Page 542
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO reflector and front plate
   - Polymer, silver surface-treated
2 Horizontal Softec lens
3 ERCO LED-module
   - High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer
4 Mounting frame
   - Can be used on both sides: for covering the wall cutout or as a plaster trim profile with installation detail flush with the wall
   - Mounting bracket: metal. Clamp extension 8-22mm
   - Polymer, white
5 Housing
   - for cavity wall installation
   - Polymer
6 Control gear
   - Switchable

Design and application:
www.erco.com/floor-washlight-square
Floor washlights square  Wall-mounted luminaires

Available in round or square
Luminaires in round or square form enable wall appearances that match the architecture and style of the interior.

Flush or covered mounting detail
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<td>Different light colours</td>
<td>EMC-optimised</td>
<td></td>
</tr>
</tbody>
</table>
Floor washlights square
Wall-mounted luminaires

Construction size

LED module
Maximum value at 4000K CRI 82

Light colour

Light distribution

Control

Switchable
Small. Effective.
Recessed floor luminaires

Recessed floor luminaires attract attention because the existence of light sources on the ground as well as the direction of light from below to above is unusual and therefore particularly noticeable. They also assume directive lighting tasks, e.g. by marking pathways or highlighting entrances.

Overview of all ranges: from p. 556
www.erco.com/ground-luminaires
Light for multifunctional rooms
- Luminaires available as directional spotlights in pivotable versions or fixed for perfect grazing light
- Discreet stainless steel frame for elegant installation in the ground
- Shallow recess depth of only 100mm allows versatile use

Products used:
Nadir IP67 round p. 558

Effective display of merchandise
- Available in round and square
- Various light colours available for any application
- Luminaires with IP67 are protected against external influences and designed for almost all applications

Products used:
Nadir IP67 square p. 564
Grazing light wallwashers create effective light which highlights the texture of surfaces. For precise alignment, the luminaire can be tilted by up to 10° in the housing and locked with a fixing screw.

Directional luminaires are used for accent lighting on objects or architectural details. They can be flexibly aligned up to an angle of 30° and feature rotationally symmetric light distribution.

Available in round or square

The ERCO system design includes round and square luminaires. The luminaires can thus be adapted to the architecture and the surroundings.

This distinguishes our recessed floor luminaires
Flush or covered installation possible

Nadir recessed floor luminaires can be installed with a cover frame to cover the ground cut-out or with a flush-ground trim detail.

Shallow recess depth

For compact installation situations, ERCO has developed luminaires with a shallow recess depth that guarantee good quality of light even in confined installation conditions.

Inground housing with tolerances

The height-adjustable frame of the inground housing enables a compensation of dimensional tolerances between the bare floor and the finished floor or in the case of slanting floors. The low recess depth from 100mm enables use in many areas. Even mounting in floating floor screed with sound insulation requirements is easily possible.

Protection rating IP67

Luminaires with IP67 protection rating are dusttight and protected against the consequences of temporary immersion.

Customise

"ERCO individual" offers extensive options for the individualisation of product ranges:
www.erco.com/individual

Products with these features can be found on the next page.
**Grazing light wallwashers and directional luminaires**

<table>
<thead>
<tr>
<th>Nadir IP67 round</th>
<th>558</th>
<th>Nadir IP67 square</th>
<th>564</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impressive grazing light</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Protection rating IP67</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Discreet stainless steel framing</td>
<td></td>
<td>Discreet stainless steel framing</td>
<td></td>
</tr>
<tr>
<td>Hospitality, Community</td>
<td></td>
<td>Hospitality, Community</td>
<td></td>
</tr>
</tbody>
</table>

Catholic University, Piliscsaba. Photography: Thomas Mayer, Neuss.
Nadir ensures maximum visual comfort for light from indoor floor areas. Bringing out wall surfaces, effectively illuminating architecture, marking out pathways: Nadir IP67 for indoor applications performs these and other tasks with peerless elegance. In square or round versions and with a discreet stainless steel mounting frame, the luminaire’s mounting is virtually flush with the floor. Needless to say, it can also be mounted covering the surrounding cut-out. Nadir IP67 is a highly flexible system, letting you vary the recess depth to suit the actual floor conditions.
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO SpheroLite lens**
   - Light distributions: spot or oval flood

2. **ERCO LED-module**
   - High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer
   - 0°-25° tilt
   - Directional spotlight rotatable through 90°

3. **Perforated shield**
   - Aluminium, silver, highly specular anodised

4. **Safety glass**
   - 6mm, clear or with diffuser
   - Load 5kN

5. **Housing**
   - For mounting in accessories
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Black, double powder-coated
   - Cable 2x1.5mm²
   - Mounting accessories to be ordered separately
   - To avoid submersion in standing water provide local drainage

6. **Control gear**
   - Switchable

**Protection mode IP67**
Dustproof and protected against the consequences of partial immersion

Design and application:
www.erco.com/nadir-round
Grazing light
Grazing light wallwashers need to be positioned close to the wall for ideal effects.

Shallow recess depth
For compact mounting situations, ERCO has developed luminaires with a shallow recess depth to provide excellent light quality in areas with limited installation space.

Protection mode IP67
Luminaires with protection mode IP67 are dusttight and protected against the results of temporary immersion.

Special characteristics
- Grazing light wallwasher
- Available in round or square
- Shallow recess depth
- Protection mode IP67
- ERCO high-power LEDs
- Excellent thermal management
- Efficient Spherolit technology
- EMC-optimised
- Switchable
- Different light colours
- Flush or covered mounting detail
**Nadir IP67 round** Recessed floor luminaires

### Construction size

Ø 125mm

### LED module

Maximum value at 4000K CRI 82

3W/450lm

### Light colour

- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82
- 4000K CRI 92

### Light distribution

- Grazing light wallwashers
- Directional luminaires

- Oval flood
- Spot

### Control

Switchable

### Accessories

- Junction box
- Mounting ring
- Mounting housing
- Suction holder
Steigenberger Hotel Handelshof, Leipzig. Interior and lighting design: Markus-Diedenhofen Innenarchitektur, Reutlingen.

* available on request

Article numbers and planning data:
www.erco.com/011334

Design and application:
www.erco.com/nadir-round
Nadir IP67 square – Elegant down to the last detail

Nadir ensures maximum visual comfort for light from indoor floor areas. Bringing out wall surfaces, effectively illuminating architecture, marking out pathways: Nadir IP67 for indoor applications performs these and other tasks with peerless elegance. In square or round versions and with a discreet stainless steel mounting frame, the luminaire’s mounting is virtually flush with the floor. Needless to say, it can also be mounted covering the surrounding cut-out. Nadir IP67 is a highly flexible system, letting you vary the recess depth to suit the actual floor conditions.

Related ranges

Nadir IP67 round
Recessed floor luminaires
Page 560
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO Sphorolit lens**
   - Light distributions: spot or oval flood

2. **ERCO LED-module**
   - High-power LED: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
   - Collimating lens made of optical polymer
   - 0°-25° tilt
   - Directional spotlight rotatable through 90°

3. **Perforated shield**
   - Aluminium, silver, highly specular anodised

4. **Safety glass**
   - 6mm, clear or with diffuser
   - Load 5kN

5. **Housing**
   - For mounting in accessories
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Black, double powder-coated
   - Cable 2x1.5mm²
   - Mounting accessories to be ordered separately
   - To avoid submersion in standing water provide local drainage

6. **Control gear**
   - Switchable

**Protection mode IP67**
Dustproof and protected against the consequences of partial immersion

Design and application:
www.erco.com/nadir-square
Available in round or square
The ERCO system design includes round and square versions to provide luminaires suited to the architecture and surroundings.

Grazing light
Grazing light wallwashers need to be positioned close to the wall for ideal effects.

Shallow recess depth
For compact mounting situations, ERCO has developed luminaires with a shallow recess depth to provide excellent light quality in areas with limited installation space.

Protection mode IP67
Luminaires with protection mode IP67 are dusttight and protected against the results of temporary immersion.

Special characteristics
- Grazing light wallwasher
- Available in round or square
- Shallow recess depth
- Protection mode IP67
- ERCO high-power LEDs
- Efficient Spherolit technology
- Excellent thermal management
- EMC-optimised
- Switchable
- Different light colours
- Flush or covered mounting detail
Nadir IP67 square Recessed floor luminaires

Construction size

LED module
Maximum value at 4000K CRI 82

Light colour

Light distribution

Grazing light wallwashers
Directional luminaires

Control

Switchable

Accessories

Junction box
Mounting frame

Mounting housing
Suction holder

570 ERCO Program 2020
Projectors, floodlights and wallwashers enable effective lighting in outdoor areas. With different sizes and a wide range of lumen classes, smaller buildings can be illuminated just as impressively as monumental facades. Projectors are predestined for rich-contrast accenting without spill light. Floodlights and wallwashers achieve the uniform illumination of surfaces – even from long projection distances and under difficult installation conditions. The lighting tools simultaneously meet all requirements for high visual comfort in outdoor areas.

Overview of all ranges: from page 578
www.erco.com/projectors
Illuminating large buildings

- High lumen output for light from large distances
- Precise beam angles accurately model facade details
- Versatile mounting options for simple fixing to roofs, masts and facades

Products used:
Lightscan page 612
Gecko page 586

Setting impressive accents

- Compact luminaire sizes are ideal for short lighting distances
- Many light distributions for accentuations without spill light
- Simple mounting on the ground

Products used:
Kona XS page 580
Projectors, floodlights and wallwashers Application examples

Light for large plazas
- High visual comfort thanks to precise beam angle
- Efficient LED lighting technology for economical and low-maintenance operation
- Accessories for various mounting options

Products used:
Kona page 598

Light for urban life
- Wallwashing creates orientation and brightness
- Low maintenance and durable due to luminaires with L90/B10
- Low cabling requirements: safety class II

Products used:
Lightscan page 612
Light for landmarks

- Narrow light distributions ensure precise accents
- Small luminaire dimensions for unobtrusive light sources
- Low-maintenance optoelectronics for minimum operating costs

Products used:
Lightscan page 612

Staging with colour

- Dynamic contrasts with use of coloured light
- Low-maintenance optoelectronics for minimum operating costs
- Different light distributions available for precise accenting and flooding

Products used:
Lightscan page 612
These lighting tools solve your lighting tasks

You'd like to illuminate large facades with just a few luminaires?

Wallwashers for uniform lighting with wide luminaire spacing

✓ High-efficiency lighting technology
✓ Diverse mounting options
✓ Ideal for long projection distances

Precise projectors for high-contrast displays

✓ Compact sizes for almost invisible light sources
✓ Seven light distributions
✓ Adjustable and maintenance-free
You'd like to display architecture in colour?

RGBW luminaires for scenographic lighting concepts

- Generation of pastel tones or saturated colours
- Ideal for changing light scenes
- Enhances the corporate design of brands and companies

You have particularly high requirements for outdoor projectors?

Projectors with the characteristics of museum spotlights for outdoors

- Highest precision for maximum illuminance on the target surface
- Seven light distributions
- High quality optics for demanding visual tasks
From small to large
You’ll find the right size and lumen package for every lighting task: perfect from small gardens to monumental facades.

For all types of weather
All ERCO projectors, floodlights and wallwashers have an IP65 protection rating, which means they are dustproof and protected against jets of water from all directions.

From small to large
You’ll find the right size and lumen package for every lighting task: perfect from small gardens to monumental facades.

Light quality with precision
ERCO luminaires project their light via highly efficient Spherolit technology. This creates precisely defined beams of light without spill light. Noteworthy is that high illuminance is achieved even with small wattages.

Staging with colour
RGBW luminaires enable scenographic lighting concepts with pastel colour tones and saturated colours.

This distinguishes our projectors, floodlights and wallwashers

Products with these features can be found on the next page.
Outstanding visual comfort
To achieve a particularly high level of visual comfort, ERCO has developed luminaires that ideally shield the light source thanks to their special housing design.

Mounting in any location
Whether on the ground, on facades or high masts – design flexibly with projectors. Find suitable accessories for any mounting situation – for example on cross-beams, ground spikes or mast clamps.

Seven light distributions
At ERCO you’ll find the right lighting tools: projectors, flood-lights and wallwashers illuminate your projects precisely – from accentuating small details to flooding towering facades.

Extremely durable
Due to their excellent maintenance of luminous flux, ERCO luminaires feature high security of investment: L90/B10 with up to 50,000 operating hours. At 5 hours a day, this means over 25 years of low-maintenance operation with outstanding photometric characteristics – ideal for difficult-to-access mounting locations.

Customise
"ERCO individual" offers extensive options for the individualisation of product ranges: erco.com/individual
**Projectors, floodlights and wallwashers**

<table>
<thead>
<tr>
<th>Model</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kona XS</td>
<td>580</td>
</tr>
<tr>
<td>Gecko</td>
<td>586</td>
</tr>
<tr>
<td>Beamer</td>
<td>592</td>
</tr>
</tbody>
</table>

- **Kona XS**
  - Small luminaire dimensions
  - Small lumen packages available
  - Very high visual comfort
  - Hospitality, Living

- **Gecko**
  - Small luminaire dimensions
  - High visual comfort
  - Oval flood freely rotatable
  - Hospitality, Culture

- **Beamer**
  - Very high visual comfort
  - Public, Community, Contemplation

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**Wallwashers and ceiling-washers**

<table>
<thead>
<tr>
<th>Model</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kona</td>
<td>598</td>
</tr>
<tr>
<td>Grasshopper</td>
<td>606</td>
</tr>
<tr>
<td>Lightscan</td>
<td>612</td>
</tr>
</tbody>
</table>

- **Kona**
  - High visual comfort
  - Five sizes
  - Dimmable on the luminaire
  - Community, Public, Culture

- **Grasshopper**
  - Small luminaire dimensions
  - Hospitality, Culture

- **Lightscan**
  - RGBW available
  - Five sizes
  - Dimmable on the luminaire
  - Community, Public, Culture

---

- **Parscoop**
  - Extremely uniform wall/ceiling-washlighting
  - Large luminaire spacing
  - Public, Community

Kona XS – Straightforward and compact

The small, sophisticated tool for outdoor lighting
Not every outdoor lighting project requires a powerhouse approach – especially when used in frequently populated urban areas, in parks or around buildings. Kona XS is the smallest outdoor projector in the ERCO range, with a lighting technology reduced to what is essential – brilliant light of the familiar superb quality provided by Spherolit LED lens systems, with a huge range of distribution options. This enables precise and efficient lighting concepts without detracting from the magic of the night. Kona XS adopts the modern, tapered housing design of its larger cousins in the Kona range, with a smooth yet robust aluminium housing designed for easy installation and maintenance.

Related ranges
Kona
Projectors, floodlights, wallwashers
Page 600
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO Sphorix lens**
   - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood or wallwash

2. **ERCO LED-module**
   - High-power LED: warm white (3000K) or neutral white (4000K)
   - Collimating lens made of optical polymer

3. **Luminaire head and housing**
   - Graphite m
   - Corrosion-resistant aluminium, non-rinse surface treated
   - Double powder-coated
   - Optimised surface for reduced accumulation of dirt
   - Anti-glare cone: polymer, black lacquered
   - Non-reflective safety glass

4. **Control gear**
   - Switchable

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours

Please contact your ERCO consultant.

Design and application: www.erco.com/kona-xs
Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Small luminaire dimensions are particularly advantageous in compact room situations.

Special characteristics

- ERICO high-power LEDs
- Efficient Spherolit technology
- Different light distributions
- Different light colours
- Excellent thermal management
- EMC-optimised
- Pivotable through 130°
- Protection mode IP65
- Switchable
Kona XS Projectors, floodlights, wallwasher

**Construction size**

*Switchable*

Graphit m

10,000 colours *

**LED module**

Maximum value at 4000K CRI 82

| 6W/825lm | 2W/275lm (Narrow spot) |

**Light colour**

| 2700K CRI 92 * | 3500K CRI 92 * |
| 3000K CRI 92 | 4000K CRI 82 |
| 3000K CRI 97 * | 4000K CRI 92 * |

**Light distribution**

<table>
<thead>
<tr>
<th>Projectors</th>
<th>Floodlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Narrow spot</td>
<td>Wide flood</td>
</tr>
<tr>
<td>Spot</td>
<td>Extra wide flood</td>
</tr>
<tr>
<td>Flood</td>
<td>Lens wallwashers</td>
</tr>
<tr>
<td>Wallwash</td>
<td></td>
</tr>
</tbody>
</table>

**Control**

Switchable

**Colour (housing)**

Graphit m

10,000 colours *

**Accessories**

- Ground spike
- Mounting plate
* available on request

Article numbers and planning data:
www.erco.com/016064

Design and application:
www.erco.com/kona-xs
Gecko – Powerful light from a virtually invisible source

Glare-free accent lighting, floodlighting and wallwashing in the outdoor area
Gecko emanates refined power despite its compact form. This is achieved by combining a slightly conical shape with quality design details such as seamless transitions. With its fluid, round outlines, this outdoor lighting tool enhances gardens and parks as an adaptable design feature which integrates flexibly in any surroundings. The small housing conceals sophisticated photometric properties: Optionally producing a uniform wide beam or sharp-edged accent light, Gecko creates impressive façade and other outdoor lighting effects that require just a few of these luminaires. Excellent glare control ensures accent lighting, floodlighting and wallwashing from a virtually invisible light source. With a luminaire head that can be tilted and rotated in any direction, Gecko is quick and easy to adjust precisely to the required position, as its maintenance-free LED optoelectronics help to reduce the operating costs.

Related ranges
Grasshopper
Projectors, floodlights, wallwashers
Page 608
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. ERCO Spheralit lens
   - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
   - Oval flood 360° rotation

2. ERCO LED-module
   - High-power LED: warm white (3000K) or neutral white (4000K)
   - Collimating lens made of optical polymer

3. Light head
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Graphit m, double powder-coated
   - Non-reflective safety glass

4. Housing and hinge
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Graphit m, double powder-coated
   - Optimised surface for reduced accumulation of dirt
   - 130° tilt, 360° rotation
   - Hinge with scaling and inner cable routing

5. Mounting plate
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Graphit m, double powder-coated
   - Optimised surface for reduced accumulation of dirt

6. Control gear
   - Switchable or DALI dimmable

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/gecko
ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

The round oval flood Spherolit lens can be freely rotated with all luminaires to optimally align the light to various objects.

Small luminaires are discreet and place the focus on the light itself. Small luminaire dimensions are particularly advantageous in compact room situations.

### Special characteristics

- **Improved visual comfort**
- **Oval flood, freely rotatable**
- **Small luminaire dimensions**
- **ERCO high-power LEDs**
- **Efficient Spherolit technology**
- **Different light distributions**
- **Different light colours**
- **Excellent thermal management**
- **EMC-optimised**
- **Degree scale for good adjustability**
- **Pivoting through 130°**
- **Protection mode IP65**
- **Switchable**
- **DALI dimmable**
**Gecko** Projectors, floodlights, wallwashers

**Construction size**

- Ø 149mm

**LED module**

<table>
<thead>
<tr>
<th>Power</th>
<th>Lumen</th>
</tr>
</thead>
<tbody>
<tr>
<td>12W/1650lm</td>
<td>18W/2475lm</td>
</tr>
<tr>
<td>8W/1100lm (Narrow spot)</td>
<td></td>
</tr>
</tbody>
</table>

**Light colour**

- 2700K CRI 92 *
- 3000K CRI 92
- 3000K CRI 97 *
- 4000K CRI 92 *
- 4000K CRI 92 *

**Light distribution**

<table>
<thead>
<tr>
<th>Projectors</th>
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<tr>
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<td>Flood</td>
<td>Oval flood</td>
</tr>
<tr>
<td>Lens wallwashers</td>
<td>Wallwash</td>
</tr>
</tbody>
</table>

**Control**

- Switchable
- DALI

**Colour (housing)**

- Graphit m
- 10,000 colours *

**Accessories**

- Distribution box
- Spacer
- Ground spike
* available on request

Article numbers and planning data:
www.erco.com/015338
Design and application:
www.erco.com/gecko
Beamer – Maximum visual comfort for superior standards

In a typical spotlight design, the Beamer range delivers efficient accentuation and floodlighting of outdoor areas. Beamer stands for striking light effects for monuments, structures and vegetation. Protected by an exceptionally durable housing, the projector offers highly variable solutions for your lighting tasks. An additional snoot provides enhanced glare control for even higher levels of visual comfort and makes certain that the light shines only, and precisely, where it is needed. The mounting accessories help you install the Beamer wherever you need it. Thanks to the graduations on the hinge, the luminaire can be aligned with repetitive accuracy. The maintenance-free optoelectronics of the Beamer guarantee maximum efficiency to save our resources and result in lower operating costs.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
- Light distributions: narrow spot, spot, flood, wide flood, extra wide flood or oval flood
- Oval flood 360° rotation

2 ERCO LED-module
- High-power LED: warm white (3000K) or neutral white (4000K)
- Collimating lens made of optical polymer

3 Snoot
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Without stray light
- Safety glass

4 Housing
- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt

5 Control gear
- Switchable

6 Mounting plate and hinge
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Mounting plate: rotatable through 360°
- Hinge: 130° tilt
- Internal wiring
- Dial: corrosion-resistant aluminium

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

To ensure continuously fixed alignment of the light beam, the alignment can be securely locked.

**Various construction sizes**

The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.

**Special characteristics**

- Oval flood, freely rotatable
- Various construction sizes
- Lockable

- ERCO high-power LEDs
- Efficient Spherolit technology
- Different light distributions
- Different light colours
- Excellent thermal management
- EMC-optimised
- Degree scale for good adjustability
- Pivotable through 130°
- Protection mode IP65
- Accessory for mounting variants
- Switchable
**Beamer** Projectors, floodlights

**Construction size**

<table>
<thead>
<tr>
<th>Ø 135mm</th>
<th>Ø 205mm</th>
</tr>
</thead>
</table>

**LED module**

Maximum value at 4000K CRI 82

<table>
<thead>
<tr>
<th>12W/1650lm</th>
<th>4W/550lm (Narrow spot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>36W/4950lm</td>
<td>14W/1925lm (Narrow spot)</td>
</tr>
</tbody>
</table>

**Light colour**

<table>
<thead>
<tr>
<th>2700K CRI 92 *</th>
<th>3500K CRI 92 *</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000K CRI 92</td>
<td>4000K CRI 82</td>
</tr>
<tr>
<td>3000K CRI 97 *</td>
<td>4000K CRI 92 *</td>
</tr>
</tbody>
</table>

**Light distribution**

<table>
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<tr>
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<td>Extra wide flood</td>
</tr>
<tr>
<td>Flood</td>
<td>Oval flood</td>
</tr>
</tbody>
</table>

**Control**

Switchable

**Colour (housing)**

Graphit m

10,000 colours *

**Accessories**

- Distribution box
- Cantilever arm
- Anchorage unit
- Attachment
- Concrete anchor
- Clamping plate
- Mounting plate
- Spacer
Kona – Maximum visual comfort for a wide range of lighting tasks

High luminous flux and maximum visual comfort for lighting tasks in the outdoor area

Kona is ideal for illuminating large buildings and objects. The round, conically-shaped luminaire housing provides outstanding visual comfort with very good shielding properties. The family of luminaires consists of several sizes with diverse light distributions – ranging from point-based illumination from extended distances with narrow spot Spherolit lenses and wide flood and oval flood distributions to homogenous wallwashing with a wallwash lens. Its high luminous flux makes Kona an ideal lighting tool for large projection distances and wide spacing between luminaires. Its circular design means the luminaire can be flexibly used in highly different room situations and architectural styles. The maintenance-free, durable optoelectronics reduce operating costs and also enable operation in difficult-to-access installation locations. Kona features a weather-resistant housing and is precisely aligned thanks to a pan-and-tilt mounting plate. With extensive mounting accessories the luminaire is also easy to install in a wide variety of outdoor applications.

Related ranges

Kona XS
Projectors, floodlights, wallwashers
Page 582
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
   - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
   - Oval flood 360° rotation
   - Narrow spot, spot and flood: cut-off angle 30°

2 ERCO LED-module
   - High-power LED: warm white (3000K) or neutral white (4000K)
   - Collimating lens made of optical polymer

3 Housing
   - Graphit m
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Double powder-coated
   - Optimised surface for reduced accumulation of dirt
   - Anti-glare cone: polymer, black lacquered
   - Safety glass

4 Control gear
   - Switchable, phase dimmable+On-board Dim or DALI dimmable
   - Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

5 Mounting plate and hinge
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment or polymer
   - Graphite m, double powder-coated or coated
   - 90° tilt, 300° rotation or 120° tilt, 360° rotation
   - Internal wiring

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/kona
**Large lumen packages for very high illuminances**

The attention of the viewer can be focused via contrasting accents. ERCO offers high-performance luminaires with large lumen packages for this purpose.

**Improved visual comfort**

ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

**Oval flood freely rotatable**

The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

**Various construction sizes**

The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.
**Kona** Projectors, floodlights, wallwasher

**Construction size**
- Ø 107mm
- Ø 160mm

**LED module**
- Maximum value at 4000K CRI 82
  - 6W/825lm
  - 2W/275lm (Narrow spot)
  - 12W/1650lm
  - 8W/1100lm (Narrow spot)
  - 19W/2700lm
  - 24W/3300lm

**Light colour**
- 2700K CRI 92 *
- 3500K CRI 92 *
- 3000K CRI 92
- 4000K CRI 82
- 3000K CRI 97 *
- 4000K CRI 92 *

**Light distribution**
- Projectors
  - Narrow spot
  - Spot
  - Flood
  - Lens wallwashers
- Floodlights
  - Wide flood
  - Extra wide flood
  - Oval flood
  - Wallwash

**Control**
- Switchable
  - Phase dimmable + On-board Dim
  - DALI

**Colour (housing)**
- Graphit m
  - 10,000 colours *
  - 10,000 colours *

**Accessories**
- Distribution box
- Mounting plate
- Adapter piece
- Ground spike
- Cantilever arm
- Spacer
- Anchorage unit
- Attachment
- Concrete anchor
- Clamping plate

---

604 ERCO Program 2020
**Graphit m**

10,000 colours *

---

**Switchable**

DALI

---

**Projectors**

- Narrow spot
- Spot
- Flood

**Floodlights**

- Wide flood
- Extra wide flood
- Oval flood

Connection:

- Spot Extra wide flood
- **Switchable**
- DALI

---

48W/6600lm

18W/2475lm [Narrow spot]

- 2700K CRI 92 *
- 3000K CRI 92
- 3000K CRI 92 *
- 3500K CRI 92 *
- 3000K CRI 92
- 4000K CRI 82

---

72W/9900lm

32W/4400lm [Narrow spot]

- 2700K CRI 92 *
- 3000K CRI 92
- 3000K CRI 97 *
- 3500K CRI 92 *
- 3000K CRI 92
- 4000K CRI 82

**Article numbers and planning data:**

www.erco.com/015663

**Design and application:**

www.erco.com/kona

* available on request
Kona Projectors, floodlights, wallwasher

**Construction size**

- Ø 382mm

**LED module**

- Maximum value at 4000K CRI 82
- 96W/13200lm
- 42W/5775lm (Narrow spot)

**Light colour**

- 2700K CRI 92 *
- 3500K CRI 92 *
- 3000K CRI 92
- 4000K CRI 82
- 3000K CRI 97 *
- 4000K CRI 92 *

**Light distribution**

<table>
<thead>
<tr>
<th>Projectors</th>
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<td>Narrow spot</td>
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<td></td>
<td>Lens wallwashers</td>
</tr>
<tr>
<td></td>
<td>Wallwash</td>
</tr>
</tbody>
</table>

**Control**

- Switchable
- DALI

**Colour (housing)**

- Graphit m
- 10,000 colours *

**Accessories**

- Distribution box
- Mounting plate
- Ground spike
- Cantilever arm
- Anchorage unit
- Attachment
- Concrete anchor
- Clamping plate
- Adapter piece
- Spacer

* available on request
Grasshopper luminaires deliver accent lighting, floodlighting and wallwashing for outdoor areas.

A prominent architectural detail, Grasshopper is designed for versatile use in the outdoor area. Whether it’s accentuating information signs and objects or floodlighting trees or walls – you will find the right light distribution for every task. Their aluminium housing is exceptionally weather-resistant and can be mounted in any position. The luminaire head can be tilted and rotated in any direction. Maintenance-free optoelectronics guarantee maximum efficiency to save our resources and result in lower operating costs. Precise photometrics prevent spill light as a further eco-friendly factor.

Related ranges

Gecko
Projectors, floodlights, wallwashers
Page 588
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
- Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
- Oval flood adjustable through 90°

2 ERCO LED-module
- High-power LED: warm white (3000K) or neutral white (4000K)
- Collimating lens made of optical polymer

3 Light head
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Non-reflective safety glass

4 Housing and hinge
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Optimised surface for reduced accumulation of dirt
- 130° tilt, 360° rotation
- Hinge with scaling and inner cable routing

5 Mounting plate
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Optimised surface for reduced accumulation of dirt

6 Control gear
- Switchable or DALI dimmable

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/grasshopper

Grasshopper Projectors, floodlights, wallwashers
Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Small luminaire dimensions are particularly advantageous in compact room situations.

Special characteristics
- Small luminaire dimensions
  - ERCO high-power LEDs
  - Efficient Spherolit technology
  - Different light distributions
  - Different light colours
- Excellent thermal management
  - EMC-optimised
  - Degree scale for good adjustability
- Switchable
  - DALI dimmable
  - Pivotable through 130°
- Protection mode IP65
- Protection mode IP65
**Grasshopper** Projectors, floodlights, wallwashers

**Construction size**
- 124mm

**LED module**
- Maximum value at 4000K CRI 82
  - 12W/1650lm
  - 8W/1100lm (Narrow spot)
  - 18W/2475lm

**Light colour**
- 2700K CRI 92 *
- 3000K CRI 92 *
- 3500K CRI 92 *
- 4000K CRI 82
- 3000K CRI 97 *
- 4000K CRI 92 *

**Light distribution**
- Projectors
  - Narrow spot
  - Spot
  - Flood
  - Lens wallwashers
- Floodlights
  - Wide flood
  - Extra wide flood
  - Oval flood
  - Wallwash

**Control**
- Switchable
- DALI

**Colour (housing)**
- Graphit m
- 10,000 colours *

**Accessories**
- Distribution box
- Spacer
- Ground spike
Suzlon One Earth Campus, Pune.
Architecture: CCBA, Tao Architects, Ravi & Varsha Govandi.
Lighting design: Sathish Rana.
Photography: Swapan Parekh.

*available on request

Article numbers and planning data:
www.erco.com/012729
Design and application:
www.erco.com/grasshopper
Lightscan – Radiance in digital form

**Lightscan for sophisticated lighting tasks in outdoor areas**

Lightscan lends a new flair to outdoor lighting, yet cuts an equally fine figure indoors where applications call for a higher protection mode. Elegant look and highly efficient photometrics join to form a perfect symbiosis. Its high levels of luminous flux enable the illumination of buildings, walls or objects even where these are exceptionally tall or offer few options to position the projectors. A wide range of light distributions ensures that the light is projected only where it’s needed.

Lightscan is exceptionally weather-resistant, as its slim silhouette blends harmoniously with the surroundings. Its flush cover glass as a contributing factor looks the part, elegantly providing reliable protection, but is also most easy to clean. An extensive range of mounting hardware means the Lightscan effortlessly fulfils different requirements of its environment making it a versatile tool in lighting design. Maintenance-free optoelectronics guarantee maximum efficiency to help save our resources and result in lower operating costs.

**Related ranges**

- **Lightscan**
  - Façade luminaires
  - Page 636

- **Lightscan**
  - Surface-mounted luminaires
  - Page 744
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Sphorlit lens
   - Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
   - Oval flood 360° rotation

2 ERCO LED-module
   - High-power LEDs: warm white (3000K), neutral white (4000K) or RGBW
   - Collimating lens made of optical polymer
   - RGBW with highly reflective colour mixer

3 Housing
   - Graphit m
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Double powder-coated
   - Optimised surface for reduced accumulation of dirt
   - Cover frame: powder-coated black
   - Safety glass

4 Control gear
   - Switchable, phase dimmable + On-board Dim or DALI dimmable
   - Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

5 Mounting plate and hinge
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment or polymer
   - Graphite m, double powder-coated or coated
   - 90° tilt, 300° or 360° rotation
   - Internal wiring

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.
Large lumen packages for very high illuminances
The attention of the viewer can be focused via contrasting accents. ERCO offers high-performance luminaires with large lumen packages for this purpose.

Oval flood, freely rotatable
The round oval flood Spherolit lens can be freely rotated with all luminaires to optimally align the light to various objects.

Coloured light
Using coloured light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate coloured light very efficiently and flexibly.

Various construction sizes
The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.

Special characteristics
- Large lumen packages for very high illuminances
- Oval flood, freely rotatable
- Coloured light
- Various construction sizes
- ERCO high-power LEDs
- Efficient Spherolit technology
- Different light distributions
- Different light colours
- Excellent thermal management
- EMC-optimised
- Degree scale for good adjustability
- Pivotable through 90°
- Lockable
- Protection mode IP65
- Accessory for mounting variants
- Switchable
- Phase dimmable + On-board Dim
- DALI dimmable
- IP65
- Accessory for mounting variants

Lightscan Projectors, floodlights, wallwashers
**Lightscan** Projectors, floodlights, wallwasher

**Construction size**
- Graphit m
- 10,000 colours *

**LED module**
- Maximum value at 4000K CRI 82
- 6W/825lm
- 2W/275lm (Narrow spot)
- 12W/1650lm
- 8W/1100lm (Narrow spot)
- 19W/2700lm
- 24W/3300lm

**Light colour**
- 2700K CRI 92 *
- 3500K CRI 92 *
- 3000K CRI 92
- 4000K CRI 82
- 3000K CRI 97 *
- 4000K CRI 92 *

**Light distribution**
- Projectors
  - Narrow spot
  - Spot
  - Flood
- Floodlights
  - Wide flood
  - Extra wide flood
  - Oval flood
- Lens wallwashers
- Wallwash

**Control**
- Switchable
- Phase dimmable + On-board Dim
- DALI

**Colour (housing)**
- Graphit m
- 10,000 colours *

**Accessories**
- Distribution box
- Mounting plate
- Adapter piece
- Ground spike
- Cantilever arm
- Spacer
- Anchorage unit
- Attachment
- Concrete anchor
- Clamping plate
48W/6600lm 18W/2475lm (Narrow spot) 30W/1900lm

2700K CRI 92 * 3500K CRI 92 *
3000K CRI 92 4000K CRI 82
3000K CRI 97 * 4000K CRI 92 *

RGBW

Switchable DALI

Graphit m 10,000 colours *

Projectors Floodlights

Narrow spot Wide flood
Spot Extra wide flood
Flood Oval flood
Lens wallwashers Wallwash

Projectors Floodlights

Spot Wide flood
Flood Extra wide flood

Lens wallwashers Wallwash

* available on request

Article numbers and planning data:
www.erco.com/014700
Design and application:
www.erco.com/lightscan
## Lightscan

**Projectors, floodlights, wallwasher**

### Construction size

- **300mm**
- **350mm**

### LED module

*Maximum value at 4000K CRI 82*

<table>
<thead>
<tr>
<th>72W/9900lm</th>
<th>32W/4400lm (Narrow spot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K CRI 92 *</td>
<td>3500K CRI 92 *</td>
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<tr>
<td>3000K CRI 92</td>
<td>4000K CRI 82</td>
</tr>
<tr>
<td>3000K CRI 97 *</td>
<td>4000K CRI 92 *</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>96W/13200lm</th>
<th>42W/5775lm (Narrow spot)</th>
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</thead>
<tbody>
<tr>
<td>2700K CRI 92 *</td>
<td>3500K CRI 92 *</td>
</tr>
<tr>
<td>3000K CRI 92</td>
<td>4000K CRI 82</td>
</tr>
<tr>
<td>3000K CRI 97 *</td>
<td>4000K CRI 92 *</td>
</tr>
</tbody>
</table>

### Light colour

- **2700K CRI 92 ***
- **3500K CRI 92 ***
- **3000K CRI 92**
- **4000K CRI 82**
- **3000K CRI 97 ***
- **4000K CRI 92 ***

### Light distribution

- **Projectors**
  - Narrow spot
  - Spot
  - Flood
- **Floodlights**
  - Wide flood
  - Extra wide flood
  - Oval flood
  - Lens wallwashers
  - Wallwash

### Control

- Switchable
- DALI

### Colour (housing)

- **Graphit m**
- 10,000 colours *

### Accessories

- **Distribution box**
- **Mounting plate**
- **Adapter piece**
- **Ground spike**
- **Cantilever arm**
- **Spacer**
- **Anchorage unit**
- **Attachment**
- **Concrete anchor**
- **Clamping plate**

* available on request
Parscoop – A floodlight for any purpose

**Parscoop ensures powerful wallwashing and ceiling washing in outdoor and indoor areas**

Parks, historic sites, buildings – Parscoop comes into its own wherever powerful and high-quality floodlighting is required. Deep or wide surfaces, walls or ceilings – its different light intensity distributions and levels of luminous flux along with flexible adjustment and mounting options mean that Parscoop responds well to any of your lighting tasks and requirements.

Mounted quickly and easily, the graduated disk on the hinge helps you align the luminaire effortlessly with reproducible accuracy. The housing ensures highly weather-resistant and stylish protection for the maintenance-free optoelectronics of the LED luminaires.
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. ERCO Spherolit lens
   - Light distributions: wide beam or deep beam

2. ERCO LED-module
   - High-power LED: warm white (3000K) or neutral white (4000K)
   - Collimating lens made of optical polymer

3. Cover frame
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Graphit m, double powder-coated
   - Safety glass

4. Housing
   - Graphit m
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Double powder-coated
   - Optimised surface for reduced accumulation of dirt

5. Control gear
   - Phase dimmable
   - Dimming with external dimmers possible (trailing edge)

6. Mounting plate and hinge
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Graphit m, double powder-coated
   - Mounting plate: rotatable through 300°
   - Hinge: ±90° tilt
   - Internal wiring
   - Dial: corrosion-resistant aluminium

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.
Various construction sizes
The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.

Wide or deep beam distribution
The wide or deep beam distribution Spherolit lenses allow the light distribution to be matched to the lighting task at hand.

Lockable
To ensure continuously fixed alignment of the light beam, the alignment can be securely locked.

Wide luminaire spacing with ceiling washlighting/wallwashing
Efficient ERCO photometrics allow certain luminaires to be spaced unusually far apart at up to 1.5 times the distance to wall.

Special characteristics
- Different light distributions: wide or deep
- Various construction sizes
- Lockable
- Wide luminaire spacing with ceiling washlighting / wallwashing

ERCO high-power LEDs
Efficient Spherolit technology

Excellent thermal management
- EMC-optimised
- Degree scale for good adjustability
- Pivotable by ±90°
- Protection mode IP65
- Accessory for mounting variants

Phase dimmable
Parscoop Wallwashers/ceiling washlights
**Parscoop Wallwashers/ceiling washlights**

### Construction size

- **245mm**
- **340mm**

### LED module

- **Maximum value at 4000K CRI 82**
- **24W/3300lm**
- **48W/6600lm**

### Light colour

- **2700K CRI 92** *
- **3000K CRI 92**
- **3000K CRI 97** *
- **3500K CRI 92** *
- **4000K CRI 82**
- **4000K CRI 92** *

### Light distribution

- **Wallwashers/ceiling washlights**
  - Wide beam
  - Deep beam
- **Ceiling washlights**
  - Wide beam
  - Deep beam

### Control

- **Phase dimmable**

### Colour (housing)

- **Graphit m**
- **10,000 colours** *

### Accessories

- **Distribution box**
- **Cantilever arm**
- **Concrete anchor**
- **Clamping plate**
- **Mounting plate**
- **Spacers**

---

* Screw fastening and M10 fixing screws included.
Vertical surfaces in the urban space contribute significantly to the spatial impression of squares, road junctions and buildings. Facade lighting is therefore an important element in urban lighting. The wide range of facade luminaires includes diverse lighting solutions – from grazing light on facades to path and route lighting around buildings.

Universal. Elegant.
Facade luminaires

Overview of all ranges from p. 632
www.erco.com/facade
Grazing light for facades

- Vertical illumination for emphasising surface texture
- Wide light distribution for economical luminaire spacing
- Pivotable luminaires enable precise alignment on site

Products used:
FocalFlood p. 670

Guiding with light

- Small surface-mounted luminaires as a discreet detail in architecture
- Light beam shielded from the field of vision for good visual comfort
- Wide light distribution for large luminaire spacing

Products used:
Kubus p. 640
Illuminating large surfaces

- Uniform brightness distribution on the ceiling creates a high room impression
- Narrow light distribution for illuminating large roof areas with just a few luminaires
- Above-average luminaire spacing reduces investment and operating costs

Products used:
Lightscan p. 634
Light for facades and paths

- Combination of grazing light and path lighting in one luminaire
- Upwards light beam available in narrow and wide version
- Precisely defined light beams create a high brightness impression

Products used:
Cylinder p. 664
This distinguishes our facade luminaires

Wide or narrow distribution

Wide light distribution very efficiently illuminates cantilever roofs or paths along facades. Narrow light distribution is suitable for the large area illumination of ceilings as well as for the open area lighting of squares and terraces.

Available as recessed and surface-mounted version

For a discreet appearance, ERCO offers recessed versions of facade luminaires. Surface-mounted luminaires represent a pragmatic and elegant alternative.

Variants for upward and downward lighting

Light directed upwards emphasises the height of facades – for a filigree or wide-area appearance. Light beams directed downwards also enable routes along the facade to be illuminated.
Protection rating IP65

Luminaires with IP65 protection rating are dust-tight and protected against the entry of water jets from all directions.

Accessory for mounting variants

Some lighting tools can not only be used on buildings, but can also be mounted as recessed wall luminaires.

ERCO individual

Our “ERCO individual” service can be used to implement customer-specific modifications such as other housing colours or LEDs according to the specific project.

www.erco.com/individual

Facade luminaire spot / oval flood

Floor washlight oval flood

Facade luminaire grazing light

Walklights wide distribution

Grazing light

Grazing light wallwashers enable alignment upwards or downwards.

Walklights and orientation luminaires

Walklights and orientation luminaires from ERCO are suitable for the efficient illumination of staircases and paths.

Products with these features can be found on the next page.
Facade luminaires

Ceiling washlights, floor washlights and walklights

**Lightscan**  634
- Ceiling washlighting
- Wide and deep beam light distributions available
- Large luminaire spacing
- Community

**Kubus**  640
- Floor and facade lighting available
- Wide and deep beam light distributions available
- Accessories for wall recessing available
- Hospitality, Work

**Axis walklight**  646
- High visual comfort
- Discreet facade detail
- Ideal for steps and paths
- Hospitality, Public

**Visor**  652
- Wide and deep beam light distributions available
- High visual comfort
- Hospitality, Public

**Lightmark**  658
- Wide and deep beam light distributions available
- High visual comfort
- Hospitality, Public

**Cylinder**  664
- Available as floor and facade lighting
- Impressive grazing light
- Hospitality, Work

**Focallflood**  670
- Impressive grazing light
- Pivotable through 135°
- Hospitality, Culture

**Orientation luminaires**  774
- Floor washlights available
- Small luminaire dimensions
- Hospitality, Community

Lightscan – Dynamic ceiling illumination for a wide spatial impression

Using Lightscan façade luminaires to washlight ceilings in airports, train stations, arcades and passages

Lightscan façade luminaires give a light and spacious impression to ceilings especially in such formidable spaces as passages or train stations. The intense, uniform washlighting of the robust luminaire allows for economical illumination of the ceiling with luminaires spaced far apart, performing equally well in outdoor and indoor applications. High levels of luminous flux and efficient photometrics ensure an excellent level of brightness – particularly in large and high rooms. Two different light distributions – wide or deep beam – offer the perfect solution for the illumination of large ceiling areas. Maintenance-free optoelectronics guarantee maximum efficiency to help save our resources and result in lower operating costs.

Related ranges

Lightscan Projectors, floodlights, wallwashers Page 614

Lightscan Surface-mounted luminaires Page 744
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
- Light distributions: wide beam or deep beam

2 ERCO LED-module
- High-power LED: warm white (3000K) or neutral white (4000K)
- Collimating lens made of optical polymer

3 Cover frame
- Cast aluminium, black powder-coated
- Safety glass

4 Housing and wall plate
- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt

5 Control gear
- Switchable or DALI dimmable

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/lightscan-f
ERCO offers luminaires with large lumen packages for generating very high illuminances. Different light distributions: wide or deep
The wide light distribution of ceiling washlights efficiently illuminates cantilever roofs along the facade. The deep beam light distribution of ceiling washlights is ideal for the wide-area illumination of ceilings.

ERCO’s efficient photometrics enable selected luminaires to be spaced particularly far apart, thereby minimising the number of luminaires required.

Special characteristics
- Large lumen packages for very high illuminances
- Efficient Spherolit technology
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Switchable
- DALI dimmable
- Protection mode IP65
Switchable DALI Graphit m 10,000 colours *
350mm
2700K CRI 92 * 3500K CRI 92 *
3000K CRI 92 4000K CRI 82
3000K CRI 97 * 4000K CRI 92 *
Ceiling washlights
Wide beam
Deep beam
Switchable DALI
Graphit m
10,000 colours *

* available on request

Article numbers and planning data:
www.erco.com/015413
Design and application:
www.erco.com/lightscan-f
Kubus – Light from the box

Façade lighting and floor wash-lighting for outdoor and indoor areas with a single system design
During the day, Kubus is all but an inconspicuous structure on the wall – at night, however, the luminaire excels with exquisite light. Kubus is flexible. Using appropriate accessories, the luminaire can be mounted in or on the wall. Underlined with grazing light, wall surfaces are given a new dimension. Used along traffic routes, Kubus provides optimum visual comfort and reliable orientation for passers-by. In perfect understatement, Kubus combines highly efficient and maintenance-free optoelectronics with a very discreet appearance. Kubus floor wash-lights are also available as bollard luminaires.

Related ranges

Kubus
Bollard luminaires
Page 698
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 Light emission of floor washlight (below)
   - Softec lens as protective glass or non-reflective protective glass
   - Wide distribution: sculpture lens or Spherolit lens
   - Deep distribution: prismatic lens or Spherolit lens
   or
   Light emission of facade luminaire (above)
   - Softec lens as protective glass or non-reflective protective glass
   - Spherolit lens spot or sculpture lens

2 ERCO LED-module
   - High-power LED: warm white (3000K) or neutral white (4000K)
   - Collimating lens made of optical polymer

3 Housing and wall plate
   - Graphit m
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Double powder-coated
   - Optimised surface for reduced accumulation of dirt

4 Control gear
   - Switchable

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
   - High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
   - Housing: 10,000 further colours
Please contact your ERCO consultant.
**Various construction sizes**
The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.

**Wide or deep beam distribution**
The wide or deep beam distribution Spherolit lenses allow the light distribution to be matched to the lighting task at hand.

**Special characteristics**
- ERCO high-power LEDs
- Efficient Spherolit technology
- Excellent thermal management
- EMC-optimised
- Switchable
- Different light colours
- Protection mode IP65
- Accessory for mounting variants
- Various construction sizes
Construction size

LED module

- Maximum value at 4000K CRI 82

- 3W/450lm

- 6W/825lm

Light colour

- 2700K CRI 92 *
- 3000K CRI 92
- 3000K CRI 97 *
- 3500K CRI 92 *
- 4000K CRI 82
- 4000K CRI 92 *

Light distribution

- Façade luminaires
- Spot
- Oval flood

Control

- Switchable

Colour (housing)

- Graphit m

- 10,000 colours **

* available on request

Article numbers and planning data:
www.erco.com/012852
Design and application:
www.erco.com/kubus-f
Axis Walklight – Glare control to perfection

Optimal visual comfort for stairs and paths

The Axis Walklight’s sophisticated photometrics ensure superb visual comfort for people in the outdoor environment. The LED-generated direct lighting component is fully shielded, making the luminaire great for use in complex areas such as stairways. A delightful sparkle on the rectangular, lens-like cover glass reveals the light emission, and the wide beam spread across the staggered surface extends all the way to the edge.

At the same time, the gentle gradient makes it easier to see by avoiding drastic contrasts to which the eye takes times to adapt. Mounted in a row, the Axis Walklight provides elegant illumination of paths.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO LED-module
   - Light colours: Warm white (3000K) or neutral white (4000K)

2 ERCO reflector
   - Asymmetrical reflector lens system: aluminium, silver anodised
   - No direct light components due to optimised LED shielding

3 Cover frame
   - Graphit m
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Double powder-coated
   - Soffec lens

4 Housing
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Graphit m, double powder-coated
   - Fixing component: polymer. Clamp extension 7-20mm

Protection mode IP65
Dust-tight and water jet-proof

Design and application:
www.erco.com/axis-walklight
Improved visual comfort
ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

Special characteristics
- Improved visual comfort
- ERCO LEDs
- Dark Sky technology
- Different light colours
- Excellent thermal management
- EMC-optimised
- Protection mode IP65
- Switchable

Axis Walklight
Axis Walklight

**Construction size**

- 269mm

**LED module**

- Maximum value at 4000K
- 1.7W/90lm

**Light colour**

- 3000K
- 4000K

**Light distribution**

- Walklights
- Wide beam

**Control**

- Switchable

**Colour (housing)**

- Graphit m
- 10,000 colours *

---

**Accessories**

- Distribution box
- Concrete mounting enclosure
Czartoryski Square, Krakow.
Visor – Precise light of minimalist elegance

The efficient façade luminaire with good visual comfort for the illumination of pathways, open areas and entrance zones

Visor façade luminaires focus the attention very naturally on any architectural setting. Using the wide light distribution, Visor illuminates pathways along walls or buildings evenly over an area wide enough to require a minimum number of luminaires. Their deep-beam version effectively lights squares or terraces. With their low-maintenance surface, Visor creates an eye-catching feature on any façade. The graphic style of the luminaire is further underlined by details such as invisible connections and a flush cover glass. The light source is discreetly hidden to ensure glare-free light for passers-by. Thanks to Dark Sky technology, Visor façade luminaires emit no spill light above the horizontal plane. The system design of the Visor range enables many different combinations of bollard and façade luminaires.

Related ranges

Lightmark
Façade luminaires
Page 660
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. ERCO Spheronit lens
   - Light distributions: wide beam or deep beam

2. ERCO LED-module
   - High-power LED: warm white (3000K) or neutral white (4000K)
   - Collimating lens made of optical polymer

3. Cover (recessed luminaire)
   - Graphit m
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Double powder-coated
   - Optimised surface for reduced accumulation of dirt
   - Covered or flush mounting detail
   - Flush mounting detail: non-reflective safety glass

4. Housing and mounting ring (recessed luminaire)
   - For recessed mounting in brickwork and dry-wall partitions
   - Mounting ring: stainless steel
   - Mounting bracket: metal, hot-dip galvanised. Clamp extension 1-30mm
   - Housing: polymer, black
   - Connection cable 3x1mm²

5. Control gear
   - Switchable

Variants on request
   - High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
   - Housing: 10,000 further colours
   - Please contact your ERCO consultant.

6. Housing and wall plate (surface-mounted luminaire)
   - Graphit m
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Double powder-coated
   - Optimised surface for reduced accumulation of dirt
   - Non-reflective safety glass

Protection mode IP65
Dust-tight and water jet-proof
Different light distributions, wide or deep beam

Floor washlights with a wide beam are ideal particularly for lighting pathways along walls and façades. Floor washlights with a deep beam are effective in illuminating open spaces such as squares or terraces.

<table>
<thead>
<tr>
<th>Special characteristics</th>
<th></th>
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<tbody>
<tr>
<td>Different light distributions:</td>
<td>wide or deep</td>
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<tr>
<td>ERCO high-power LEDs</td>
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</tr>
<tr>
<td>Efficient Spherolit technology</td>
<td></td>
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<tr>
<td>Dark Sky technology</td>
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<td>Different light colours</td>
<td></td>
</tr>
<tr>
<td>Excellent thermal management</td>
<td></td>
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<tr>
<td>EMC-optimised</td>
<td></td>
</tr>
<tr>
<td>Flush or covered mounting detail</td>
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</tr>
<tr>
<td>Protection mode IP65</td>
<td></td>
</tr>
<tr>
<td>Switchable</td>
<td></td>
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</tbody>
</table>
Visor Façade luminaires

Construction size
- Ø 190mm
- Ø 200mm

LED module
- Maximum value at 4000K CRI 82
- Switchable

Light colour
- 2700K CRI 92 *
- 3000K CRI 92
- 3000K CRI 97 *
- 3500K CRI 92 *
- 4000K CRI 82
- 4000K CRI 92 *
- 4000K CRI 97 *

Light distribution
- Floor washlights
  - Wide beam
  - Deep beam

Control
- Switchable

Colour (housing)
- Graphit m
- 10,000 colours *

Accessories
- Junction box
- Sealing plate
- Concrete mounting enclosure
- Suction holder
Lightmark – Precise light of minimalist elegance

The efficient façade luminaire with good visual comfort for the illumination of pathways, open areas and entrance zones

Lightmark façade luminaires focus the attention very naturally on any architectural setting. Using the wide light distribution, Lightmark illuminates pathways along walls or buildings evenly over an area wide enough to require a minimum number of luminaires. Their deep-beam version effectively lights squares or terraces. With their smooth surface, Lightmark creates an eye-catching feature on any façade. The graphic style of the luminaire is further underlined by details such as invisible connections and a flush cover glass. The light source is discreetly hidden to ensure glare-free light for passers-by. Thanks to Dark Sky technology, Lightmark façade luminaires emit no spill light above the horizontal plane. The system design of the Lightmark range enables many different combinations of bollard and façade luminaires.

Related ranges

Lightmark
Bollard luminaires
Page 704

Visor
Façade luminaires
Page 654
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spheronit lens
- Light distributions: wide beam or deep beam

2 ERCO LED-module
- High-power LED: warm white (3000K) or neutral white (4000K)
- Collimating lens made of optical polymer

3 Cover (recessed luminaire)
- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- Covered or flush mounting detail
- Flush mounting detail: non-reflective safety glass

4 Housing and mounting ring (recessed luminaire)
- For recessed mounting in brickwork and dry-wall partitions
- Mounting ring: stainless steel
- Mounting bracket: metal, hot-dip galvanised. Clamp extension 1-30mm
- Housing: polymer, black
- Connection cable 3x1mm²

or

Housing and wall plate (surface-mounted luminaire)
- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- Non-reflective safety glass

5 Control gear
- Switchable

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.
**Different light distributions, wide or deep beam**

Floor washlights with a wide beam are ideal particularly for lighting pathways along walls and façades. Floor washlights with a deep beam are effective in illuminating open spaces such as squares or terraces.

**Special characteristics**

<table>
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### Lightmark Façade luminaires

#### Construction size
- **190mm**
- **200mm**

#### LED module
- **6W/825lm**
- **Maximum value at 4000K CRI 82**

#### Light colour
- **2700K CRI 92**
- **3000K CRI 92**
- **3000K CRI 97**
- **3500K CRI 92**
- **4000K CRI 82**
- **4000K CRI 92**

#### Light distribution
- **Floor washlights**
  - **Wide beam**
  - **Deep beam**

#### Control
- **Switchable**

#### Colour (housing)
- **Graphit m**
- **10,000 colours**

#### Accessories
- **Junction box**
- **Sealing plate**
- **Concrete mounting enclosure**
- **Suction holder**

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664 ERCO Program 2020
Cylinder – Universal and elegant

Facade lighting with many variations
Accentuating historic façades with grazing light or structuring large sections of façade with light patterns are only some of the strengths displayed by Cylinder façade luminaires. The wide variety of distribution options includes direct, indirect and direct–indirect narrow or wide beams. For the purpose of conforming to the Dark Sky standard, the indirect distribution is inclined towards the façade to avoid spill light into the night sky.

The direct distribution options include versions that pool the light in a semicircle on the ground or with a beam edge ending just before the façade. As a common denominator, all Cylinder façade luminaires produce the characteristic grazing light to emphasise textures on the façade.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 Light emission above
- Spherolit lens spot or oval flood
- Non-reflective safety glass

2 Light emission below
- Spherolit lens oval flood
- Reflector: aluminium, silver anodised, specular
- Non-reflective safety glass

Size 3
- Diffuser: glass, matt
- Darklight reflector: aluminium, silver anodised, specular
- Cut-off angle 30°
- Non-reflective safety glass

3 ERCO LED-module
- High-power LEDs: warm white (3000K) or neutral white (4000K)
- Collimating lens made of optical polymer

4 Housing and wall plate
- Graphit m
- Corrosion-resistant aluminium profile or corrosion-resistant cast aluminium, no-rinse surface treated
- Double powder-coated
- Optimised surface for reduced accumulation of dirt
- Tamper-proof screw

5 Control gear
- Switchable

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/cylinder
Various light distributions
Different light distributions let you adjust the light to suit the task at hand. The options range from very narrow accentuation through to wide beam floodlighting and even wallwashing.

Decorative wall-/facade lighting
Striking lighting effects produced by narrow or wide beams create an eyecatching feature and divide up the façade. The ERCO system design includes a wide variety of lighting solutions with upward or downward beam emission.
Cylinder Façade luminaires

Construction size

LED module
Maximum value at 4000K CRI 82

Light colour

Light distribution
Floor washlights
Oval flood

Control
Switchable

Colour (housing)
Graphit m
10,000 colours *
Graphit m
10,000 colours *

Switchable

Size 2

12W/1650lm

Façade luminaires

Spot

Oval flood

Switchable

Graphit m
10,000 colours *

2700K CRI 92 * 3500K CRI 92 *
3000K CRI 92 4000K CRI 82
3000K CRI 97 * 4000K CRI 92 *

Size 3

12W/1650lm

18W/2475lm

Façade luminaires

Spot

Oval flood

Switchable

Graphit m
10,000 colours *

2700K CRI 92 * 3500K CRI 92 *
3000K CRI 92 4000K CRI 82
3000K CRI 97 * 4000K CRI 92 *

* available on request

Article numbers and planning data:
www.ерco.com/011888

Design and application:
www.ерco.com/cylinder
Focalflood – Grazing light to perfection

Emphasising façade surfaces with white light
Grazing light delivers incredibly effective illumination of building surfaces and emphasises details through high-contrast shadows – such superb results are achieved with Focalflood façade luminaires. Optimised for grazing light, their lens system enables wide luminaire spacing, still producing excellent uniformity on the façade. The luminaire is easily oriented and smoothly adjusted to further optimise its grazing light. The Focalflood façade luminaire offers a highly precise, narrow light distribution over the whole wall to minimise spill light. Focalflood façade luminaires thus provide a creative basis for transforming façades into an eye-catching feature, washlit with magic grazing light.
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO LED-module**
   - High-power LEDs: warm white (3000K) or neutral white (4000K)

2. **ERCO reflector**
   - Asymmetrical reflector lens system: aluminium, silver anodised
   - No direct light components due to optimised LED shielding

3. **Front unit**
   - Graphit m
   - Corrosion-resistant aluminium, No-Rinse surface treatment
   - Double powder-coated
   - Softec lens

4. **Housing**
   - Graphit m
   - Corrosion-resistant aluminium profile, No-Rinse surface treatment
   - Double powder-coated
   - Optimised surface for reduced accumulation of dirt
   - Screw-fastened end plates: corrosion-resistant cast aluminium
   - 2 freely positionable mounting brackets: corrosion-resistant aluminium
   - 135° tilt
   - Connection cable 3x1mm², L 1.5m

5. **Control gear**
   - Switchable

**Protection mode IP65**
Dust-tight and water jet-proof

**Variants on request**
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.
**Highly efficient lighting technology**
ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

**Grazing light**
The wide light distribution along facades and soft gradient ensure very good uniformity when mounted in a row. The luminaire can be tilted individually and has a very narrow beam angle towards the wall to prevent spill light and enable sustainable lighting solutions meeting Dark Sky requirements.

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**Special characteristics**

- **High-efficiency lighting technology**
- **Grazing light wallwasher**
- **ERCO high-power LEDs**
- **Excellent thermal management**
- **Different light colours**
- **EMC-optimised**
- **Pivotable through 135°**
- **Protection mode IP65**
- **Switchable**

---
**Focalflood Façade luminaires**

**Construction size**

![Construction size diagram](image)

633mm

**LED module**

Maximum value at 4000K CRI 82

20W/2750lm

**Light colour**

- 2700K CRI 92 *
- 3000K CRI 92
- 3000K CRI 97 *
- 3500K CRI 92 *
- 4000K CRI 82
- 4000K CRI 92 *

**Light distribution**

- Façade luminaires
- Grazing light

**Control**

Switchable

**Colour (housing)**

Graphit m

10,000 colours *
Linear. Magical light.
Bollard luminaires

A wide range of lighting tasks around buildings exists – ranging from the functional lighting of paths and stairways to open spaces. Bollard luminaires with various, predominantly asymmetric flood light distributions solve these tasks with high visual comfort. Due to precise limitation of the light beam, all luminaires meet dark sky requirements.
Guiding with light
- Soft light beam gradient for simple adaptation to dark surroundings
- Very wide light beam for large luminaire spacing
- Positioning along the path with 180° light distribution or at intersections with 360° light distribution

Products used:
- Castor p. 684
- Midipoll p. 690

Dark Sky-compliant lighting
- No distribution of light above the horizontal plane
- Dark Sky-compliant due to precise distribution downwards
- Low luminance light emission for high visual comfort

Products used:
- Midipoll p. 690
**Narrow distribution for open areas**

- Suitable for wide driveways or large open spaces
- Long, asymmetric light distribution for wide forward distribution
- High visual comfort on squares

Products used:
Lightmark p. 702
Kubus p. 696

**Wide light distribution for paths**

- Wide light beam for large luminaire spacing
- Also available as small bollards for mounting on walls or with narrow paths
- Precise downward light distribution for pleasant visual comfort

Products used:
Lightmark p. 702

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680 ERCO Program 2020
Elegant orientation with grazing light

- Grazing light along the luminaire creates a subtle focus

- Attractive luminaire design with profile of four parabolas for elegant appearance during the day

- Housing in special colour on request

Products used:
Midipoll p. 690
Various sizes
The luminaires in the ERCO product range cover a wide variety of lumen categories, thus offering appropriate solutions for a wide variety of lighting tasks.

Floor washlights wide or narrow distribution
The wide light distribution of floor washlights is especially suitable for lighting paths beside walls and facades. The narrow light distribution of floor washlights is predestined for the illumination of squares and terraces.

Dark Sky technology
ERCO has perfected Dark Sky technology for its bollard luminaires. Light pollution is prevented because no light is emitted above the horizontal plane. In addition, glare to passers-by and drivers is avoided.

This distinguishes our bollard luminaires
Protection rating IP65

All bollard luminaires with IP65 protection rating are dusttight and protected against the entry of water jets from all directions.

Safety class II

For luminaires with safety class II, live components have additional protective insulation. A protective conductor connection is therefore not required.

Floor washlights for open area lighting

Bollard luminaires with 360° radial distribution are suitable for the planar illumination of squares and terraces.

Wide distribution floor washlights for paths

Bollard luminaires with 180° light emission are suitable for paths and routes. They form a product family together with 360° light distribution bollards.

Accessory for mounting variants

ERCO's system design allows different mounting variants. See the overview of accessories to find suitable products for your individual installation situation.

ERCO individual

Our "ERCO individual" service can be used to implement customer-specific modifications such as differing housing colours or LEDs according to the specific project.

www.erco.com/individual
Floor washlights

**Castor** 684
- Available with 180° or 360° light distribution
- 100% Dark Sky compliant
- Four sizes

**Midipoll** 690
- 360° light distribution
- 100% Dark Sky compliant
- Grazing light along the luminaire

**Kabus** 696
- Wide and deep beam light distributions available
- 100% Dark Sky compliant
- Grazing light along the luminaire

**Lightmark** 702
- Wide and deep beam light distributions available
- Light emission opening to the front

Castor – The magic of light

A lighting tool for pathways and squares
The Castor bollard luminaire visually connects paths and squares outdoors: two light distributions and three construction sizes enable nuanced lighting designs with just a single luminaire range. Its innovative optical system with ring-shaped lens creates either light distribution aligned at 180° to one side for paths, or 360° light distribution for open areas. The Castor lighting technology is designed for uniform illumination in both of these applications. Luminaire spacing of up to 10m is possible without compromises in terms of glare control. ERCO Dark Sky technology prevents emission of light above the horizontal. Good visual conditions for passers-by and vehicle drivers is ensured thanks to the concealed optic.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO light guiding ring
   - Made of optical polymer

2 ERCO LED-module
   - High-power LEDs: warm white (3000K) or neutral white (4000K)

3 Anti-glare cone
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Double powder-coated and black lacquered.
   - Glare-free above the light aperture

4 Upper cover
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Graphit m, double powder-coated

5 Bollard
   - Graphit m
   - Corrosion-resistant aluminium profile, No-Rinse surface treatment
   - Double powder-coated
   - Optimised surface for reduced accumulation of dirt

6 Control gear
   - Switchable or DALI dimmable

7 Base plate
   - For mounting on accessories
   - Mounting accessories to be ordered separately

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/castor
Various construction sizes
The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.

Large luminaire spacing for open area lighting
For floor washlights with wide radial light distribution, luminaire spacing (d) of up to 10m are possible. Even larger spacing can be selected to support visual guidance.

Special characteristics
- Various construction sizes
- Large luminaire spacing possible
- ERCO high-power LEDs
- Dark Sky technology
- Excellent thermal management
- Switchable
- EMC-optimised
- DALI dimmable
- Different light colours
- Protection mode IP65
- Safety class II
- Accessory for mounting variants
- Accessory for mounting variants
Castor Bollard luminaires

**Construction size**
- 500mm / Ø 115mm
- 500mm / Ø 169mm

**LED module**
- 16W/2200lm
- 24W/3300lm
- Maximum value at 4000K CRI 82

**Light colour**
- 2700K CRI 92 *
- 3000K CRI 92
- 3000K CRI 92 *
- 3500K CRI 92 *
- 4000K CRI 82
- 4000K CRI 92 *
- 3000K CRI 97 *
- 4000K CRI 92 *

**Light distribution**
- Floor washlights
  - Wide beam
  - Radial beam (360°)
- Control
  - Switchable
  - DALI

**Colour (housing)**
- Graphit m
- 10,000 colours *

**Accessories**
- Distribution box
- Concrete anchor
- Anchorage unit
- Mounting plate
Floor washlights
Wide beam
Radial beam (360°)
Switchable
DALI
Graphit m
10,000 colours *

* available on request

Article numbers and planning data:
www.erco.com/015744

Design and application:
www.erco.com/castor
Midipoll – See and be seen

Subtle grazing light on the striking, cross-shaped profile transforms Midipoll into a space defining element.

With Midipoll, ERCO presents a bollard luminaire in the context of efficient visual comfort. Its innovative photometrics with special prismatic lens effectively project the luminous flux onto the target surface – without causing glare, therefore fulfilling Dark Sky requirements. The night can emerge and the stars are visible. During this time, the grazing light on the luminaire creates a subtle eye-catcher and ensures orientation on squares and paths. During the day, Midipoll acts as an elegant column with a profile formed of four parabolas. The sum of these properties confirms that this is where the future of outdoor lighting is to be found.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO LED-module
- High-power LEDs: warm white (3000K) or neutral white (4000K)
- Collimating lens made of optical polymer

2 Cylindrical light head
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Lower prism lens or Softec lens

3 Cross-shaped aluminium profile
- Graphit m
- Corrosion-resistant, No-rinse surface treatment
- Double powder-coated

4 Cylindrical housing
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Graphit m, double powder-coated
- Optimised surface for reduced accumulation of dirt
- Mounting accessories to be ordered separately

5 Control gear
- Switchable, phase dimmable or DALI dimmable
- Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/midipoll
Highly efficient lighting technology
The lens system made of high-quality optical polymers is characterised by very high efficiency.

Large luminaire spacing for open area lighting
For floor washlights with wide radial light distribution, luminaire spacing (d) of up to 10m are possible. Even larger spacing can be selected to support visual guidance.

Special characteristics

- Highly efficient lighting technology
- Various construction sizes
- Large luminaire spacing possible
- ERCO high-power LEDs
- Dark Sky technology
- Different light colours
- Excellent thermal management
- EMC-optimised
- Phase dimmable
- DALI dimmable
- Protection mode IP65
- Switchable
24W/3300lm

Floor washlights
- Radial beam (360°)

Phase dimmable

Graphit m
- 10,000 colours *

2700K CRI 92 *
3000K CRI 92
3000K CRI 97 *
3500K CRI 92 *
4000K CRI 82
4000K CRI 92 *

* available on request

Article numbers and planning data:
www.erco.com/013007
Design and application:
www.erco.com/midipoll
Kubus – Efficient light from the box

Architectonic bollard luminaires for precise washlighting in the outdoor area

During the day, the Kubus bollard luminaire is all but an inconspicuous architectural feature – at night, however, it excels with exquisite light. Used along traffic routes, Kubus provides optimum visual comfort and reliable orientation for passers-by. Two different light distributions complement each other beautifully: The wide-beam version neatly marks the way, the deep-beam version ensures optimum illumination of squares or terraces. In perfect understatement, Kubus combines highly efficient, cutting-edge and maintenance-free opto-electronics with a very discreet appearance.

Related ranges

Kubus façade luminaires
Page 642
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 Lens
- Softec lens as protective glass
- Wide distribution sculpture lens or narrow distribution prism lens

2 ERCO LED-module
- High-power LED: warm white (3000K) or neutral white (4000K)
- Collimating lens made of optical polymer

3 Luminaire housing
- Graphit m
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Double powder-coated
- Optimised surface for reduced accumulation of dirt

4 Bollard
- Corrosion-resistant aluminium profile, No-Rinse surface treatment
- Graphit m, double powder-coated
- Luminaire and bollard must be installed on location

5 Control gear
- Switchable

6 Base plate
- For mounting on accessories
- Mounting accessories to be ordered separately

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.

Design and application:
www.erco.com/kubus
Different light distributions: wide or deep
Floor washlights with a wide beam are ideal particularly for lighting pathways along walls and façades. Floor washlights with a deep beam are effective in illuminating open spaces such as squares or terraces.

**Special characteristics**

- Different light distributions: wide or deep
- ERCO high-power LEDs
- Dark Sky technology
- Different light colours
- Excellent thermal management
- EMC-optimised
- Protection mode IP65
- Accessory for mounting variants
- Switchable

**Kubus Bollard luminaires**
Kubus Bollard luminaires

**Construction size**
- 800mm

**LED module**
- Maximum value at 4000K CRI 82
- 3W/450lm

**Light colour**
- 2700K CRI 92 *
- 3500K CRI 92 *
- 3000K CRI 92
- 4000K CRI 82
- 3000K CRI 97 *
- 4000K CRI 92 *

**Light distribution**
- Floor washlights
- Wide beam
- Deep beam

**Control**
- Switchable

**Colour (housing)**
- Graphit m
- 10,000 colours *

**Accessories**
- Distribution box
- Concrete anchor
- Anchorage unit
- Mounting plate
Lightmark – Precise light of minimalist elegance

The efficient bollard luminaire with good visual comfort for the illumination of pathways and open areas

Lightmark bollard luminaires focus the attention very naturally on any architectural setting. Using the wide light distribution, Lightmark illuminates pathways along walls or buildings evenly over an area wide enough to require a minimum number of luminaires. Their deep-beam version effectively lights squares or terraces.

With their low-maintenance and smooth surface, Lightmark is a robust yet elegant bollard luminaire for the outdoor area. The light source is discreetly hidden to ensure glare-free light for passers-by. Thanks to Dark Sky technology, Lightmark bollard luminaires emit no spill light above the horizontal plane. The system design of the Lightmark range enables many different combinations of bollard and façade luminaires.

Related ranges

Lightmark
Facade luminaires
Page 660
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
   - Light distributions: wide beam or deep beam

2 ERCO LED-module
   - High-power LED: warm white (3000K) or neutral white (4000K)
   - Collimating lens made of optical polymer

3 Luminaire
   - Graphit m
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Double powder-coated
   - Optimised surface for reduced accumulation of dirt
   - Non-reflective safety glass

4 Bollard
   - Corrosion-resistant aluminium profile, No-Rinse surface treatment
   - Graphit m, double powder-coated
   - Tamper-proof screws

5 Control gear
   - Switchable

6 Base plate
   - For mounting on concrete plinth or accessories

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.
Different light distributions: wide or deep
Spherolit lenses allow the light distribution to be matched to the lighting task at hand.

Large luminaire spacing
ERCO’s efficient photometrics enable selected luminaires to be spaced particularly far apart, thereby minimising the number of luminaires required.

Special characteristics
- Different light distributions: wide or deep
- Large luminaire spacing possible
- ERCO high-power LEDs
- Efficient Spherolit technology
- Dark Sky technology
- Excellent thermal management
- EMC-optimised
- Protection mode IP65
- Switchable
- Different light colours
Lightmark Bollard luminaires

Construction size

900 mm

LED module
Maximum value at 4000K CRI 82

6W/825lm

Light colour

| 2700K CRI 92 * | 3500K CRI 92 * |
| 3000K CRI 92 | 4000K CRI 82 |
| 3000K CRI 97 * | 4000K CRI 92 * |

Light distribution

Floor washlights
Wide beam
Deep beam

Control

Switchable

Colour (housing)

Graphit m
10,000 colours *

Accessories

Distribution box
Concrete anchor
Anchorage unit
Recessed downlights

Atria, cantilever roofs, passages and bridges require luminaires for ceiling installation that meet the demands made of outdoor luminaires. A high protection rating for example ensures protection against moisture and dust. Recessed downlights for outdoors provide various lighting characteristics for this application area, ranging from downlights to directional spotlights and wallwashers.

Overview of all ranges: from p. 714
www.erco.com/downlights-r-ext
Prestigiously welcoming
- Large lumen packages for lighting from large distances
- High visual comfort due to good glare control
- Large luminaire spacing possible for reduced project costs

Products used:
Quintessence round p. 716
Compact p. 722

Illuminating routes around buildings
- Luminaires with high protection rating for low-maintenance outdoor applications
- Integrating lighting discreetly into the architecture as a ceiling installation detail
- Oval light distributions are especially suitable for illuminating paths and routes

Products used:
Compact p. 722
Lending depth to rooms

- Wallwashers enable uniform vertical illumination over the complete height
- Various spectra available to match the material
- Large luminaire spacing enables economical planning

Products used:
Quintessence round p. 716

Brilliant light for swimming pools

- Robust luminaires enable use in demanding environments
- Ideal for shallow ceiling spaces with recess depths of only 150mm
- Low maintenance requirements for economical operation

Products used:
Compact p. 722
Always the right light distribution

Whatever you wish to illuminate, with ERCO you’ll find the right light distribution – from accenting to wallwashing.

Shallow recess depth

ERCO develops special luminaires with low recess depths which, despite very limited installation conditions, feature high visual comfort and high quality of light.

Large luminaire spacing

For some wallwashers, the luminaire spacing may be up to 1.5 times the distance to the wall. Specific information is provided in the wallwasher tables at www.erco.com. A computer-aided calculation is recommended for assessing possible light beam spreads on side walls.

Lens wallwashers

The asymmetric light distribution achieves the economical, uniform illumination of walls and facades.
**Very high visual comfort**

The darklight reflector combines maximum visual comfort with an optimum light output ratio.

**Protection rating IP65**

All luminaires with IP65 protection rating are dustproof and protected against water jets from all directions.

**Pivotable directional spotlights**

The narrow beam angle of the directional spotlights enables architectural details to be highlighted or objects to be accentuated as precisely as in a museum. The luminaire head can be swivelled by up to 20° for this purpose.

**Customise**

"ERCO individual" offers extensive options for the customising of product ranges:

www.erco.com/individual

Products with these features can be found on the next page.
Recessed luminaires

Downlights, wallwashers and directional luminaires

Quintessence round

- Five light distributions
- Very high visual comfort
- Hospitality

Compact

- Five sizes
- High visual comfort
- Hospitality

2W/210lm – 24W/3300lm

8W/840lm – 40W/5500lm
Quintessence round – The system solution for excellent visual comfort

High visual comfort and optimum light quality – in indoor and outdoor areas
Quintessence recessed luminaires now take the visual comfort and the light quality of downlights, wallwashers and directional luminaires into the outdoor area. The new optical systems of the downlights and wallwashers achieve high uniformity with good glare control, making them superb for extensive illumination in large areas. The exceptionally wide light distribution of the downlights with a 90° emission angle and a 40° cut-off produces highly uniform and glare-free light, with luminaires that are spaced far apart. For precise accentuation, the optical system of the directional luminaires can be tilted by 20° and rotated through 360°. With a protection rating of IP65, Quintessence recessed luminaires are the efficient lighting tool for perception-orientated lighting concepts in outdoor areas with canopies and for indoor applications that call for a high degree of protection against moisture and dust.

Related ranges

- **Quintessence round**
  - Recessed spotlights, recessed floodlights
  - Page 252

- **Quintessence round**
  - Recessed luminaires
  - Page 318

- **Quintessence round**
  - Surface-mounted luminaires
  - Page 410

- **Quintessence round**
  - Pendant luminaires
  - Page 466
**Structure and characteristics**

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1. **ERCO darklight reflector**
   - Downlight: cut-off angle 40°
   - Polymer, aluminium vaporised, mirror-finish
   - Wallwasher reflector: cut-off angle 80°
   - Polymer, aluminium vaporised, mirror-finish

2. **ERCO LED-module**
   - High-power LEDs: warm white (3000K) or neutral white (4000K)
   - Directional luminaire with collimating lens made of optical polymer: 0°-20° tilt, 360° rotation

3. **Diffuser or lens**
   - Made of optical polymer
   - Diffuser lens, extra wide flood or lens system, wallwash
   - Directional luminaire with Spherolit lens narrow spot, spot or flood

4. **Cover ring**
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Silver, double powder-coated
   - Safety glass

5. **Housing**
   - Cast aluminium, powder-coated silver
   - Mounting with 2- or 3-point contact and screw fastening, for ceiling thicknesses 1-30mm
   - Side-attached installation unit: polymer, black

6. **Control gear**
   - Switchable or DALI dimmable

**Protection mode IP65**
Dust-tight and water jet-proof

**Variants on request**
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Reflector: coated matt gold, matt silver or matt champagne

Please contact your ERCO consultant.

Design and application:
www.erco.com/quintessence-o
Very high visual comfort
The darklight reflector combines maximum visual comfort with an optimum light output ratio.

Special characteristics
- Excellent visual comfort
- ERCO high-power LEDs
- Cut-off 40°/80°
- Different light distributions
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Protection mode IP65
- Switchable
- DALI dimmable
Quintessence Recessed luminaires

Construction size

LED module
Maximum value at 4000K CRI 82

Light colour

Light distribution

Downlights
Directional luminaires

Control

Colour (housing)

Silver

Accessories

Concrete mounting enclosure

Switchable
DALI

Size 3

12W/1650lm

2W/275lm (Narrow spot)

2700K CRI 92 *

3500K CRI 92 *

3000K CRI 92

4000K CRI 82

3000K CRI 97 *

4000K CRI 92 *

Size 5

24W/1300lm

6W/825lm (Narrow spot)

2700K CRI 92 *

3500K CRI 92 *

3000K CRI 92

4000K CRI 82

3000K CRI 97 *

4000K CRI 92 *

* available on request

Article numbers and planning data:
www.erco.com/015746
Design and application:
www.erco.com/quintessence-o
Compact – Efficient and economical

Brilliant light for roofed areas. Compact – ideal for outdoor use

The need for high performance lighting applies equally to the exterior environment. The Compact downlight combines brilliant light with the familiar durability of ERCO’s other exterior solutions. Extra wide flood and oval flood as different light distributions enable its use in passageways and arcades as well as on the terrace of a private residence. Compact also supports superb vertical illuminance with its wallwashing distribution.

Related ranges

- **Compact**
  - Recessed luminaires
    - Page 366
- **Compact**
  - Surface-mounted luminaires
    - Page 738
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
- Made of optical polymer
- Light distributions: extra wide flood, oval flood or wallwash

2 ERCO LED-module
- High-power LEDs: warm white (3000K) or neutral white (4000K)

3 Anti-glare ring with cross baffle
- Optical cut-off 30°
- Polymer, aluminium vapourised, silver, ribbed
  or
- Wallwasher reflector
- Optical cut-off 30° or 40°
- Polymer, aluminium vapourised, silver, ribbed, with diffuser on the underside

4 Cover ring
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Silver, double powder-coated
- Non-reflective safety glass

5 Housing
- Corrosion-resistant cast aluminium, No-Rinse surface treatment
- Silver, double powder-coated
  - Mounting with 2- or 3-point contact and screw fastening, for ceiling thicknesses 1–30mm
  - Side-attached installation unit: polymer or cast aluminium, black

6 Control gear
- Switchable or phase dimmable
- Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Anti-glare ring with cross baffle: coated matt gold, matt silver or matt champagne
Please contact your ERCO consultant.

Design and application:
www.erco.com/compact-o
Various construction sizes
The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.

Wide luminaire spacing with wallwashing
Efficient ERCO photometrics allow certain luminaires to be spaced unusually far apart at up to 1.5 times the distance to wall.
Compact Recessed luminaires

Construction size

Size 3

Size 4

LED module

Maximum value at 4000K CRI 82

Light colour

2700K CRI 92 * 3500K CRI 92 *

3000K CRI 92 4000K CRI 82

3000K CRI 97 * 4000K CRI 92 *

Light distribution

Downlights Downlights oval flood

Extra wide flood Oval flood

Lens wallwashers

Wallwash

Control

Phase dimmable

Colour (housing)

Silver

10,000 colours *

Accessories

Concrete mounting enclosure
Size 5

24W/3300lm

2700K CRI 92 * 3500K CRI 92 *
3000K CRI 92  4000K CRI 82
3000K CRI 97 * 4000K CRI 92 *

Downlights
- Downlights oval flood
  - Extra wide flood
  - Oval flood
- Lens wallwashers
- Wallwash

Phase dimmable

Silver

10,000 colours *

* available on request

Article numbers and planning data:
www.erco.com/013923
Design and application:
www.erco.com/compact-o
Compact Recessed luminaires

**Construction size**

Size 7

- LED module
  - Maximum value at 4000K CRI 82
  - 32W/4400lm

**Light colour**

- 2700K CRI 92 *
- 3000K CRI 92
- 3000K CRI 97 *
- 3500K CRI 92 *
- 4000K CRI 82
- 4000K CRI 92 *

**Light distribution**

- Downlights
  - Extra wide flood
- Downlights oval flood
  - Oval flood

**Control**

- Switchable

**Colour (housing)**

- Silver
- 10,000 colours *

**Accessories**

- Concrete mounting enclosure

**LED module**

Size 8

- 40W/5500lm

**Light colour**

- 2700K CRI 92 *
- 3000K CRI 92
- 3000K CRI 97 *
- 3500K CRI 92 *
- 4000K CRI 82
- 4000K CRI 92 *

**Light distribution**

- Downlights
  - Extra wide flood
- Downlights oval flood
  - Oval flood

**Control**

- Switchable

**Colour (housing)**

- Silver
- 10,000 colours *
Pragmatic. Convincing.
Surface-mounted luminaires

Very pragmatic considerations often lead to the use of surface-mounted luminaires. In outdoor applications there are often no suspended ceilings but concrete ceilings or supporting structures. The deliberate choice of a lighting concept with surface-mounted luminaires considerably reduces installation complexity, for example in solid ceilings or in existing buildings, and planning can be flexibly adapted to the conditions.

Overview of all ranges: from p. 734
www.erco.com/downlights-s-ext
Guiding with light
- Simple installation due to surface-mounted solution
- Available with various light distributions, wattages and sizes
- Ideal for relighting with existing cable outlets

Products used:
Compact p. 736

Economical general lighting
- Wide light distributions enable large luminaire spacing and low project costs
- Very flat construction height
- Robust luminaires with high protection ratings for use in demanding room climates

Products used:
Lightscan p. 742
This distinguishes our surface-mounted luminaires

**Simple installation due to surface-mounted solution**

In existing buildings or with solid ceilings, surface-mounted luminaires considerably reduce the installation complexity. Accessories such as spacers additionally help with surface-mounted installations.

**Large luminaire spacing**

With some wallwashers and luminaires with oval flood light distribution, the luminaire spacing can be up to 1.5 times the distance to the wall. Specific information is provided in the wallwasher tables at www.erco.com. A computer-aided calculation is recommended for assessing possible light beam spreads.
**Improved visual comfort**

ERCO has developed luminaires especially for demanding visual tasks which offer increased visual comfort due to their special housing shape and high quality optical components.

**Customise**

"ERCO individual" offers extensive options for customising product ranges: www.erco.com/individual

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**Oval flood, freely rotatable**

The round version of the oval flood Spherolit lens can be freely rotated to align the lighting optimally to various objects.

**Protection rating IP65**

All luminaires have an IP65 protection rating and are therefore dustproof and protected against the ingress of water jets from all directions.

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Products with these features can be found on the next page.
Surface-mounted luminaires

Downlights and wallwashers

**Compact** 736

- High visual comfort
- Large luminaire spacing
- Hospitality, Community

**Lightscan** 742

- Downlights in three sizes
- Large lumen packages for high illuminances
- Flat luminaire design
- Hospitality, Community

16W/1680lm – 24W/3300lm
48W/5040lm – 96W/13200lm

**ERCO Program 2020**
Fürholzen West roadhouse, Fürholzen. Architecture: Allmann Sattler Wappner, Munich.
Lighting design: Weiser Lighting, Troisdorf.
Photography: Moritz Hillebrand, Zurich.

Circolo Sportivo RAI, Rome.
Photography: Thomas Mayer, Neuss.
Compact – Efficient and economical

Perfect solution for illumination in existing buildings. Compact is the versatile tool. Lighting design based on surface-mounted downlights need not be a workaround. The Compact downlight combines brilliant light with the robustness of outdoor luminaires. Compact as a surface-mounted downlight is the perfect solution for illumination in existing buildings, where recessed mounting is not possible.

Extra wide flood and oval flood as different light distributions enable its use in passageways and arcades as well as on the terrace of a private residence. Compact can just as easily be used for vertical illuminance through wallwashing.

Related ranges

<table>
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<th>Compact</th>
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</table>
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO lens system
   - Made of optical polymer
   - Light distributions: extra wide flood, oval flood or wallwash

2 ERCO LED-module
   - High-power LEDs: warm white (3000K) or neutral white (4000K)

3 Anti-glare ring with cross baffle
   - Optical cut-off 30°
   - Polymer, aluminium vapourised, silver, ribbed
   or
   Wallwasher reflector
   - Optical cut-off 30° or 40°
   - Polymer, aluminium vapourised, silver, ribbed, with diffuser on the underside

4 Cylinder and ceiling plate
   - Graphit m
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Double powder-coated
   - Non-reflective safety glass

5 Control gear
   - Phase dimmable
   - Dimming with external dimmers possible (trailing edge)

Protection mode: IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Anti-glare ring with cross baffle: coated matt gold, matt silver or matt champagne
- Housing: 10,000 further colours
Please contact your ERCO consultant.
Various construction sizes
The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.

Wide luminaire spacing with wallwashing
Efficient ERCO photometrics allow certain luminaires to be spaced unusually far apart at up to 1.5 times the distance to wall.

Special characteristics
- Various construction sizes
- Wide luminaire spacing with wallwashing
- ERCO high-power LEDs
- Efficient lens system
- Optical cut-off 30°/40°
- Different light colours
- Excellent thermal management
- EMC-optimised
- Protection mode IP65
- Phase dimmable

ERCO Program 2020
**Compact Surface-mounted luminaires**

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<td>Light colour</td>
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<td></td>
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<tr>
<td>2700K CRI 92 *</td>
<td>3500K CRI 92 *</td>
<td>2700K CRI 92 *</td>
</tr>
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<td>3000K CRI 92</td>
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<td>Surface-mounted lens wallwashers</td>
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<td>Phase dimmable</td>
<td></td>
</tr>
<tr>
<td>Colour (housing)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graphit m</td>
<td>10,000 colours *</td>
<td>Graphit m</td>
</tr>
</tbody>
</table>
Lightscan – Powerful light for large spaces

Effective and efficient general lighting for passages and traffic routes

Lightscan ceiling surface-mounted luminaires provide strong, efficient general lighting for large rooms requiring higher protection ratings in indoor and outdoor areas along with easy maintenance. The higher luminous flux levels enable illumination over large distances and guarantee an excellent lighting level on the floor. The light distributions wide flood, extra wide flood and oval flood are ideal for use in railway stations, passages and arcades as well as traffic areas in buildings. The maintenance-free optoelectronics protect resources thanks to their high efficiency and also reduce operating costs.

Related ranges

- Lightscan Projectors, floodlights, wallwashers Page 614
- Lightscan Façade luminaires Page 636
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
   - Light distributions: wide flood, extra wide flood or oval flood
   - Oval flood 360° rotation

2 ERCO LED-module
   - High-power LED: warm white (3000K) or neutral white (4000K)
   - Collimating lens made of optical polymer

3 Cover frame
   - Cast aluminium, black powder-coated
   - Safety glass

4 Housing and ceiling fixture
   - Graphit m
   - Corrosion-resistant cast aluminium, No-Rinse surface treatment
   - Double powder-coated

5 Control gear
   - Switchable or DALI dimmable

Protection mode IP65
Dust-tight and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colours
Please contact your ERCO consultant.
Large lumen packages for very high illuminances
ERCO offers luminaires with large lumen packages for generating very high illuminances.

Improved visual comfort
ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

Oval flood freely rotatable
The round oval flood Spherolit lens can be freely rotated with all luminaires to optimally align the light to various objects.

**Special characteristics**

- Improved visual comfort
- Large lumen packages for very high illuminances
- Oval flood, freely rotatable
- ERCO high-power LEDs
- Efficient Spherolit technology
- Different light colours
- Excellent thermal management
- EMC-optimised
- Various construction sizes
- Switchable
- DALI dimmable
- Protection mode IP65
- Surface-mounted luminaires
**Lightscan** Surface-mounted luminaires

**Construction size**
- 250mm
- 300mm

**LED module**
- Maximum value at 4000K CRI 82

**Light colour**
- 2700K CRI 92 *
- 3000K CRI 92
- 3000K CRI 97 *
- 3500K CRI 92 *

**Light distribution**
- Surface-mounted downlights
  - Wide flood
  - Oval flood
  - Extra wide flood
- Surface-mounted downlights oval flood

**Control**
- Switchable
- DALI

**Colour (housing)**
- Graphit m
- 10,000 colours *
Switchable DALI Graphit m 10,000 colours *

350mm

96W/13200lm

2700K CRI 92 * 3500K CRI 92 *
3000K CRI 92 4000K CRI 82
3000K CRI 97 * 4000K CRI 92 *

Surface-mounted downlights
Wide flood
Extra wide flood

Surface-mounted downlights oval flood
Oval flood

Switchable DALI

Graphit m 10,000 colours *

* available on request

Article numbers and planning data:
www.erco.com/015412
Design and application:
www.erco.com/lightscan-o-s
Recessed floor luminaires attract attention because both the light sources on the ground as well as the direction of light from above to below is unusual and therefore particularly noticeable. They are therefore ideal for effective architectural lighting—from accent lighting to uniform wallwashing. Recessed floor luminaires also perform technical tasks just as effectively. As information lighting they indicate pathways and mark entrances for example.

Overview of all ranges: from p. 756
www.erco.com/shortlinkgattung
Creating visual references with wallwashing

- Wallwashing gives walls a bright appearance and follows lines of sight
- Vertical lighting outdoors defines dimensions
- High rooms and walls can also be uniformly illuminated thanks to high lumen packages

Products used:

Tesis round p. 758

Emphasising landmarks

- Wide light distributions create uniform accentuation
- Luminaires with high lumen packages for lighting from a large distance
- Simple alignment of the light beam thanks to pivotable luminaires avoids light spill in the night sky

Products used:

Tesis round p. 758
Creating viewpoints

- Precise light beams avoid light spill in the night sky
- Pivotable luminaires for easy adjustment of the light beam
- ERCO recessed floor luminaires can be driven over and are particularly robust – ideal for use in public spaces

Products used:
Tesis round p. 758
Displaying buildings at night

- Different sizes and lumen packages for large and small lighting tasks
- Asymmetric light distribution for uniform wallwashing
- Assembly in mounting enclosures allows drive-over by motor vehicles

Products used:
Tesis round p. 758

Highlighting brands

- Uniform grazing light emphasises material and structures
- High uniformity even with very short distance to wall
- Matched quality of light and material emphasise the prestige of the brand

Products used:
Site p. 780
These lighting tools solve your lighting problems

You’d like to uniformly illuminate a 6m high facade?

You’d like to precisely accentuate the smallest details from large distances?

Lens wallwashers for uniform vertical lighting

- Small distance to wall possible
- Excellent uniform brightness distribution
- Ideal for facades and walls in outdoor areas

Directional spotlights for impressive accentuations

- Pivotable for easy adjustment of the light beam
- Light distributions from very narrow <10° to wide approx. 35° to 90°
- Precise light beams for high illuminances on the target surface
You'd like to uniformly illuminate facades with a minimum number of luminaires?

Grazing light wallwashers for the effective illumination of wall structures

- Very small distance to wall of down to 30cm possible
- Pivotable by +/- 10° and thus precisely adjustable on site
- Extremely uniform vertical brightness distribution

Lens wallwashers for large luminaire spacings

- Luminaire spacing up to 1.5 times the distance to wall
- Small number of luminaires reduces project costs
- Excellent uniform brightness distribution
From small to large
The right size and lumen package for any project: from uniform facade lighting to the functional orientation lighting of urban squares.

Quality of light with precision
ERCO luminaires project their light via highly efficient Spherolit technology. This creates precisely defined beams of light without spill light. Noteworthy is that high illuminance is achieved even with small wattages.

Light from the ground
Whatever you wish to illuminate, you’ll find the right recessed floor luminaires with the right light distributions in the form of ERCO uplights, directional spotlights, lens wallwashers and grazing light wallwashers.

This distinguishes our recessed floor luminaires

Lens wallwashers for uniform brightness distribution on vertical surfaces.

Uplights for uniform illumination from below for trees and architectural features.
Pivotable
Directional spotlights and grazing light wallwashers can be simply and precisely adjusted for optimum alignment of the light beam. The light is thus emitted to exactly where it is needed.

High visual comfort
To achieve a particularly high level of visual comfort, ERCO has developed luminaires that ideally shield the light source thanks to their special housing design.

Customise
"ERCO individual" offers extensive options for the individualisation of product ranges, e.g. with anti-slip glass: erco.com/individual

Certified: IP68 and safety class II
All ERCO recessed floor luminaires have an IP68 protection rating with safety class II. This makes them suitable for outdoor and indoor use and also means wiring complexity is kept to a minimum.

Efficient building guidance technology
ERCO orientation luminaires with up to 40 luminaires per control unit mark paths, steps and corridors.

Strong mounting enclosure
Robust, corrosion-free mounting enclosures allow recessed floor luminaires to be walked on and driven over.
Wallwashers, uplights and directional luminaires

Tesis round

Tesis square

Site

Pivotable directional luminaires for accent lighting
High uniformity with wallwashing
Six light distributions

Pivotable directional luminaires for accent lighting
High uniformity with wallwashing
Six light distributions

Impressive grazing light
Very high visual comfort
Large luminaire spacing
Public, Hospitality

Orientation luminaires and floor washlights

Orientation luminaires

Floor washlights available
Small luminaire dimensions
Blue LEDs available
Hospitality, Community

2W/210lm – 32W/4400lm
2W/210lm – 32W/4400lm
24W/2520lm – 24W/3300lm

0.3W/1lm – 0.8W/24lm
Belmont Forum, Cloverdale.
Lighting design: Lighting Options Australia, Perth.
Photography: Matt Devlin, Perth.

Trafikplats Spillepengen, Malmö.
Architecture: Ramboll, Stockholm. Lighting design: Malmö City Johan Moritz.
Photography: Johan Elm.
Tesis round – The benchmark in the outdoor area

An innovative archetype in outdoor lighting
Tesis has long been a regular feature in the outdoor range. In a completely upgraded version, it now delivers an entirely new level of performance. Innovative photometrics ensure maximum brilliance and efficiency. A considerably flatter housing thanks to LED technology ensures exceptionally straightforward installation – in both round and square version. The robust polymer housing is fully corrosion-resistant and designed to ensure long life and ease of use. Be it directional luminaire, uplight or wallwasher, Tesis sets the benchmark in outdoor lighting.

Related ranges

Tesis square
In-ground luminaires
Page 768
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO Spherolit lens
- Directional spotlight light distributions: narrow spot, spot, flood or oval flood
- Uplight light distribution: wide flood or
- Lens wallwasher
  - Optical cut-off 40°
  - ERCO lens system: wallwash
  - Wallwasher reflector: Metal or polymer, aluminised, silver, textured, partially coated black, with diffuser on lower side

2 ERCO LED-module
- High-power LEDs: warm white (3000K) or neutral white (4000K)
- Collimating lens made of optical polymer
- Directional spotlight pivotable through 0°-30°

3 Cover ring
- Covered or flush mounting detail
- Stainless steel
- Safety glass: 15mm, transparent

4 Housing
- Polymer, black
- Longitudinally watertight cable 3x1.5mm²
- Installation with separate connection sleeve
- Mounting is possible without mounting enclosure
- Installation in mounting enclosure: driveable, can be driven over by vehicles with air-filled tyres. Load 20kN or 50kN
- Hollow floor installation only with overlapping installation detail: Fixing set to be ordered separately

5 Control gear
- Switchable or phase dimmable
  - Phase dimmable version: Dimming with external dimmers possible (trailing edge)
- Protection mode IP68
  Protection against the ingress of dust, production against the consequences of continuous immersion in water to a depth of max. 3m.

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Cover ring: V4A stainless steel
- Anti-slip safety glass

Please contact your ERCO consultant.

Design and application:
www.erco.com/tesis-round

762 ERCO Program 2020
**Improved visual comfort**

ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

**Outstanding uniformity**

To meet the stringent standards of vertical illuminance, ERCO has developed luminaires specifically to produce exceptionally uniform levels of illuminance.

**Available in round or square**

The ERCO system design includes round and square versions to provide luminaires suited to the architecture and surroundings.

**Large luminaire spacing**

For some wallwashers, the luminaire spacing may be up to 1.5 times the offset from the wall. Corresponding details are provided in the wallwasher tables in the catalogue or the product data sheets. Computerised beam calculations are recommended to check potential intersections with side walls.

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**Special characteristics**

- **Improved visual comfort**
- **Outstanding uniformity**
- **Available in round or square**
- **Wide luminaire spacing with wallwashing**
- **ERCO high-power LEDs**
  - Efficient Spherolit technology
  - Optical cut-off 40°
  - Different light distributions
  - Different light colours
- **Excellent thermal management**
  - EMC-optimised
  - Various construction sizes
  - Flush or covered mounting detail
  - Protection mode IP68
  - Safety class II
- **Switchable**
  - Phase dimmable
**Tesis round In-ground luminaires**

**Construction size**
- Size 3
- Size 4

**LED module**
- Maximum value at 4000K CRI 82
- 8W/1100lm
- 16W/2200lm
- 2W/275lm (Narrow spot)

**Light colour**
- 2700K CRI 92 *
- 3500K CRI 92 *
- 3000K CRI 92
- 4000K CRI 82
- 3000K CRI 97 *
- 4000K CRI 92 *

**Light distribution**
- Lens wallwasher
- Wallwash
- Uplight
- Wide Flood
- Directional luminaire
- Wallwash
- Narrow spot
- Uplights
- Spot
- Wide Flood
- Flood
- Oval flood

**Control**
- Switchable

**Accessories**
- Connection sleeve
- Recessed housing
- Branching sleeve
- Mounting kit
Switchable Phase dimmable

Size 5

4W/550lm (Narrow spot)

2700K CRI 92 * 3500K CRI 92 *
3000K CRI 92 4000K CRI 82
3000K CRI 97 * 4000K CRI 92 *

24W/3300lm

2700K CRI 92 * 3500K CRI 92 *
3000K CRI 92 4000K CRI 82
3000K CRI 97 * 4000K CRI 92 *

Directional luminaire

Narrow spot

Lens wallwasher

Wallwash
Uplight
Wide Flood

Directional luminaire

Spot
Flood
Oval flood

* available on request
**Tesis round** In-ground luminaires

### Construction size

<table>
<thead>
<tr>
<th>Size 7</th>
</tr>
</thead>
</table>

### LED module

<table>
<thead>
<tr>
<th>Maximum value at 4000K CRI 82</th>
</tr>
</thead>
<tbody>
<tr>
<td>32W/4400lm 8W/1100lm (Narrow spot)</td>
</tr>
</tbody>
</table>

### Light colour

<table>
<thead>
<tr>
<th>Light colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K CRI 92 *</td>
</tr>
<tr>
<td>3000K CRI 92</td>
</tr>
<tr>
<td>3000K CRI 97 *</td>
</tr>
</tbody>
</table>

### Light distribution

<table>
<thead>
<tr>
<th>Light distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lens wallwasher</td>
</tr>
<tr>
<td>Wallwash</td>
</tr>
<tr>
<td>Uplight</td>
</tr>
<tr>
<td>Wide Flood</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

### Control

<table>
<thead>
<tr>
<th>Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phase dimmable</td>
</tr>
</tbody>
</table>

### Accessories

<table>
<thead>
<tr>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection sleeve</td>
</tr>
<tr>
<td>Branching sleeve</td>
</tr>
</tbody>
</table>
Facade of Brandsende office building, Hamburg.
Architecture: Akyol Kamps, Hamburg.
Lighting design: Akyol Kamps, Hamburg.
Photography: Frieder Blickle, Hamburg.

* available on request
Tesis square – The benchmark in the outdoor area

An innovative archetype in outdoor lighting
Tesis has long been a regular feature in the outdoor range. In a completely upgraded version, it now delivers an entirely new level of performance. Innovative photometrics ensure maximum brilliance and efficiency. A considerably flatter housing thanks to LED technology ensures exceptionally straightforward installation – in both round and square version. The robust polymer housing is fully corrosion-resistant and designed to ensure long life and ease of use. Be it directional luminaire, uplight or wallwasher, Tesis sets the benchmark in outdoor lighting.

Related ranges

Tesis round
In-ground luminaires
Page 760
Structure and characteristics

The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 **ERCO Spherolit lens**
   - Directional spotlight light distributions: narrow spot, spot, flood or oval flood
   - Uplight light distribution: wide flood or
   - Lens wallwasher
     - Optical cut-off 40°
     - ERCO lens system: wallwash
     - Wallwasher reflector: Metal or polymer, aluminised, silver, textured, partially coated black, with diffuser on lower side

2 **ERCO LED-module**
   - High-power LEDs: warm white (3000K) or neutral white (4000K)
   - Collimating lens made of optical polymer
   - Directional spotlight pivotable through 0°-30°

3 **Cover frame**
   - Covered or flush mounting detail
   - Stainless steel
   - Safety glass: 15mm, transparent

4 **Housing**
   - Polymer, black
   - Longitudinally watertight cable 3x1.5mm²
   - Installation with separate connection sleeve
   - Mounting is possible without mounting enclosure
   - Installation in mounting enclosure: driveable, can be driven over by vehicles with air-filled tyres. Load 20kN or 50kN
   - Hollow floor installation only with overlapping installation detail: Fixing set to be ordered separately

5 **Control gear**
   - Switchable or phase dimmable
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)
   - Protection mode IP68
     Protection against the ingress of dust, production against the consequences of continuous immersion in water to a depth of max. 3m.

**Variants on request**
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Cover frame: V4A stainless steel
- Anti-slip safety glass
Please contact your ERCO consultant.

Design and application:
www.erco.com/tesis-square
Tesis square  In-ground luminaires

Outstanding uniformity
To meet the stringent standards of vertical illuminance, ERCO has developed luminaires specifically to produce exceptionally uniform levels of illuminance.

Improved visual comfort
ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

Available in round or square
The ERCO system design includes round and square versions to provide luminaires suited to the architecture and surroundings.

Large luminaire spacing
For some wallwashers, the luminaire spacing may be up to 1.5 times the offset from the wall. Corresponding details are provided in the wallwasher tables in the catalogue or the product data sheets. Computerised beam calculations are recommended to check potential intersections with side walls.

Special characteristics

- Improved visual comfort
- Outstanding uniformity
- Available in round or square
- Wide luminaire spacing with wallwashing
- ERCO high-power LEDs
  - Efficient Spherolit technology
  - Optical cut-off 40°
- Different light distributions
- Different light colours
- Excellent thermal management
  - EMC-optimised
  - Various construction sizes
- Various mounting details
  - Flush or covered mounting detail
- Protection mode IP68
- Safety class II
- Switchable
  - Phase dimmable
**Tesis square** In-ground luminaires

**Construction size**
- Size 3
- Size 4

**LED module**
- Maximum value at 4000K CRI 82
- 8W/1100lm
- 16W/2200lm
- 2W/275lm (Narrow spot)

**Light colour**
- 2700K CRI 92 *
- 3000K CRI 92
- 3000K CRI 92 *
- 3500K CRI 92 *
- 3000K CRI 97 *
- 4000K CRI 82
- 3000K CRI 97 *
- 4000K CRI 92 *

**Light distribution**
- Lens wallwashers
- Wallwash
- Uplights
- Wide Flood
- Lens wallwashers
- Directional luminaires
- Wallwash
- Narrow spot
- Uplights
- Spot
- Wide Flood
- Flood
- Oval flood

**Control**
- Switchable

**Accessories**
- Connection sleeve
- Recessed housing
- Branching sleeve
- Mounting kit
221
Q286
Switchable Phase dimmable
Size 5
2700K CRI 92 * 3500K CRI 92 *
3000K CRI 92 4000K CRI 82
3000K CRI 97 * 4000K CRI 92 *
4W/550lm (Narrow spot)
24W/3300lm
2700K CRI 92 * 3500K CRI 92 *
3000K CRI 92 4000K CRI 82
3000K CRI 97 * 4000K CRI 92 *
4W/550lm (Narrow spot) 24W/3300lm
* available on request
Article numbers and planning data:
www.erco.com/018336
Design and application:
www.erco.com/tesis-square
**Tesis square In-ground luminaires**

### Construction size

- **Size 7**

### LED module

- **Maximum value at 4000K CRI 82**
  - 32W/4400lm
  - 8W/1100lm (Narrow spot)

### Light colour

- 2700K CRI 92 *
- 3000K CRI 92
- 3000K CRI 97 *
- 3500K CRI 92 *
- 4000K CRI 82
- 4000K CRI 92 *

### Light distribution

- **Lens wallwashers**
  - Wallwash
  - Uplights
  - Wide Flood
  - Oval Flood

- **Directional luminaires**
  - Narrow spot
  - Spot
  - Flood

### Control

- Phase dimmable

### Accessories

- Connection sleeve
- Recessed housing
- Branching sleeve
- Mounting kit

* available on request

Article numbers and planning data:
www.erco.com/018336
Design and application:
www.erco.com/tesis-square
Orientation luminaires – Right to the point

High-quality light for guidance and orientation
Be it white or RGB – the orientation luminaires illuminate pathways, mark out entrances, contribute to safety on stairs, and identify architectural lines. Stainless steel covers and scratch-resistant glass ensure that the orientation luminaires will function as high-quality lighting tools illuminating your architecture for years to come. Their special optical components make these orientation luminaires highly visible even in bright surroundings. Functions such as dimming and rapid or gradual fading add to their quality as the perfect partner for safety and networked building technology. Featuring the same LED performance as other ERCO lighting tools, these luminaires can easily be combined with other ERCO solutions. Their low energy consumption means up to forty luminaires can be connected per control gear.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 ERCO LED-module
   - Light colours: Warm white (3000K), neutral white (4000K) or blue

Floor washlight
   - Reflector: polymer, aluminized, matt silver

2 Cover ring
   - Stainless steel
   - Safety glass: 6mm
   - Load 5kN
   - Prismatic lens with point-based light emission

3 Installation sleeve with lamellae
   - Polymer
   - Housing with sealing: stainless steel

12V and 24V
   - Cable 2x0.75mm²
   - Installation unit to be ordered separately
   - Switchable
   - 2-wire connection cable

Protection mode IP68
Protection against the ingress of dust, production against the consequences of continuous immersion in water to a depth of max. 3m.
Floor washlight
The recommended mounting height of floor washlights is approx. 0.4m at the wall.

Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.

Special characteristics
- Floor washlight
- Small luminaire dimensions
- ERCO LEDs
- Excellent thermal management
- Switchable
- Different light colours
- EMC-optimised
- Various construction sizes
- Protection mode IP68
- Various construction sizes
Orientation luminaires

Construction size

LED module
Maximum value at 4000K

Light colour

Light distribution

Control

Accessories

LED module

Max. value at 4000K
0,3W/5lm
0,8W/24lm
0,8W/6lm

Orientation luminaires

Floor washlights
Wide beam

Switchable

Installation unit
Mounting enclosure
Distribution box
CCK Centro Cultural Kirchner, Buenos Aires.
Site – Emphasising wall structures for a three-dimensional effect

Grazing light wallwashers accentuate surface texture on walls and façades

Site emphasises the tactile qualities of architectural materials: The grazing light wallwasher brings out the finest wood, concrete or brick texture as exquisitely as rough surfaces such as natural stone, thereby enabling the luminaire to set off historic features or regional materials. In contrast to conventional wallwashers which give walls a soft character, Site adds an almost tactile dimension through high-contrast light and shadow effects. The luminaire can be tilted conveniently by up to 10° in both directions. With its asymmetrical light distribution, the grazing light wallwasher can be positioned up to 30cm close to the wall and still produce an exceptionally uniform beam. The resulting special rendering of vertical illuminance combines strikingly illuminated texture for scenic effect with efficient outdoor illumination.
Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website.

1 Softec lens
2 ERCO LED-module
   - High-power LED: warm white (3000K) or neutral white (4000K)
   - Collimating lens made of optical polymer
   - ± 10° tilt
3 Frame
   - Covered or flush mounting detail
   - Stainless steel
   - Safety glass: 10mm, transparent
4 Housing
   - Polymer, black
   - Connection cable 3x1.5mm² or 5x1.5mm²
   - Installation with separate connection sleeve
   - Installation in mounting enclosure: driveable, can be driven over by vehicles with air-filled tyres. Load 20kN
   - Hollow floor installation only with overlapping installation detail: Fixing set to be ordered separately
5 Control gear
   - Switchable, phase dimmable or DALI dimmable
   - Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Protection mode IP68
Protection against the ingress of dust, production against the consequences of continuous immersion in water to a depth of max. 3m.

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Frame: V4A stainless steel
- Anti-slip safety glass
Please contact your ERCO consultant.

Design and application:
www.erco.com/site
Very high visual comfort
ERCO has developed luminaires with special housing designs and high-quality optical components specifically for demanding visual tasks to provide enhanced visual comfort.

Large luminaire spacing
ERCO’s efficient photometrics enable selected luminaires to be spaced particularly far apart, thereby minimising the number of luminaires required.

Grazing light wallwashing
Grazing light wallwashers need to be positioned close to the wall for ideal effects.

Special characteristics
- Excellent visual comfort
- Grazing light wallwasher
- Large luminaire spacing possible
- ERCO high-power LEDs
- Different light colours
- Excellent thermal management
- EMC-optimised
- Pivotable by ±10°
- Flush or covered mounting detail
- Protection mode IP68
- Switchable
- Phase dimmable
- DALI dimmable
- Safety class II

Site
In-ground luminaires
Site: In-ground luminaires

Construction size

Site

In-ground luminaires

Light distribution

445mm

Accessories

Control

LED module

Maximum value at 4000K CRI 82

24W/3300lm

Light colour

2700K CRI 92 * 3500K CRI 92 *

3000K CRI 92 4000K CRI 82

3000K CRI 97 * 4000K CRI 92 *

Light distribution

Grazing light wallwashers

Grazing light

Control

Switchable

Phase dimmable

DALI

Accessories

Connection sleeve

Mounting enclosure

Branching sleeve

Mounting kit
The following pages give details of the LEDs used at ERCO. The consistently high quality of these LEDs is the result of a selection process based on criteria which we have described here for your information.

## Technical data

ERCO uses the same High-power or Mid-power LEDs for the entire product range. This results in the enormous advantage for users that the quality of light always remains at a consistently high level.

For flexible use, in addition to the six standard light colours, controllable (tunable white) colour spectra are also available for some applications.

## LED modules

ERCO luminaire systems in the catalogue are differentiated according to the efficiency of their LED modules. The separate consideration of module luminous flux, luminaire luminous flux and connected load enables better evaluation of the photometric and energetic efficiency. In addition to the module values, the efficiency data for the complete luminaire is separately specified in the catalogue and data sheet for this purpose.

### High-power LED

<table>
<thead>
<tr>
<th>Colour temperature</th>
<th>Luminous efficacy*</th>
<th>Colour rendering</th>
<th>Lumen maintenance</th>
<th>Failure rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>99lm/W</td>
<td>CRI 92</td>
<td>L90/B10 up to 50,000 hours 0.1% up to 50,000 hours</td>
<td></td>
</tr>
<tr>
<td>3000K</td>
<td>105lm/W</td>
<td>CRI 92</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3000K</td>
<td>101lm/W</td>
<td>CRI 97</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3500K</td>
<td>121lm/W</td>
<td>CRI 92</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4000K</td>
<td>138lm/W</td>
<td>CRI 82</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4000K</td>
<td>128lm/W</td>
<td>CRI 92</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Mid-power LED

<table>
<thead>
<tr>
<th>Colour temperature</th>
<th>Luminous efficacy*</th>
<th>Colour rendering</th>
<th>Lumen maintenance</th>
<th>Failure rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>144lm/W</td>
<td>CRI 92</td>
<td>L90/B50 up to 50,000 hours 0.1% up to 50,000 hours</td>
<td></td>
</tr>
<tr>
<td>3000K</td>
<td>175lm/W</td>
<td>CRI 82</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3000K</td>
<td>149lm/W</td>
<td>CRI 92</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3500K</td>
<td>161lm/W</td>
<td>CRI 92</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4000K</td>
<td>193lm/W</td>
<td>CRI 82</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4000K</td>
<td>164lm/W</td>
<td>CRI 92</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Chip-on-board LED (COB)

<table>
<thead>
<tr>
<th>Colour temperature</th>
<th>Luminous efficacy*</th>
<th>Colour rendering</th>
<th>Lumen maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700K</td>
<td>147lm/W</td>
<td>CRI 82</td>
<td>L80/B50 up to 50,000 hours</td>
</tr>
<tr>
<td>2700K</td>
<td>125lm/W</td>
<td>CRI 92</td>
<td></td>
</tr>
<tr>
<td>3000K</td>
<td>151lm/W</td>
<td>CRI 82</td>
<td></td>
</tr>
<tr>
<td>3000K</td>
<td>131lm/W</td>
<td>CRI 92</td>
<td></td>
</tr>
</tbody>
</table>

### Colour temperature

- 3000K
- 3500K
- 4000K
- 4000K (fashion)

### Luminous efficacy*

- 101lm/W
- 136lm/W
- 159lm/W
- 140lm/W

### Lumen maintenance

- L80/B50 up to 50,000 hours

* Determination of luminous efficacy: LED module High-power at 700mA; Mid-power at 65mA; COB at 1050mA; T, 25°

Note: all data are statistical averages.
LED selection
As is the case with all semiconductor products, white LEDs exhibit a degree of production tolerance. Such tolerances exist in areas such as the colour loci, lumen maintenance, and forward bias. ERCO considers all these criteria in the selection of its LEDs providing users with the highest possible quality.

Colour consistency (SDCM)
The SDCM value (Standard Deviation of Colour Matching) is used to qualify a light source with regard to colour consistency (colour location deviation). The SDCM (Standard Deviation of Colour Matching) value defines an LED in terms of colour consistency (chromaticity variation). It is based on a study conducted by American engineer David MacAdam and describes the degree of deviation from a defined chromaticity coordinate in the CIE diagram. According to MacAdam, the coordinates of all colours perceived as identical lie within an ellipse around the reference colour location. The system, created by adding further ellipses of increasing size, is used to classify the maximum colour deviation of light sources. Occasionally also referred to as MacAdam ellipse of a certain step size, the commonly accepted term is now SDCM. The higher the SDCM value, the greater the possible deviation of the light colour from the colour coordinates specified in the technical data of the light source.

In addition to LED selection, the current applied to the LED module and the operating temperature of a luminaire also influence the SDCM value. Higher temperatures may cause a shift in the colour location. The operating temperature depends on external conditions such as the ambient temperature, the operating current and the heat management of a luminaire.

SDCM for ERCO LED modules with High-power LEDs
ERCO LED modules with High-power LEDs demonstrate very good colour consistency. The LEDs are selected with a special binning process, giving the modules an excellent typical initial value of SDCM ≤ 1.5. See the appropriate data sheet for the specific value for the respective luminaire.

SDCM for ERCO LED modules with Mid-power LEDs
ERCO LED modules with Mid-power LEDs achieve the excellent typical initial value of SDCM ≤ 1.5. ERCO achieves this by carefully selecting and combining the LEDs on the modules. See the specific data sheet for the concrete value for the respective luminaire.
**Spectrum**

LEDs in ERCO luminaires have a continuous spectrum, thereby ensuring good to very good colour rendering for neutral white (3500 – 4000K) and very good colour rendering for warm white (2700 – 3000K). The LEDs deliver practically no UV or IR radiation and have a low damage factor, making them ideal particularly for the illumination of sensitive and valuable objects.

**Damage factor**

The relative damage factor is used to assess suitable light sources for conservation requirements such as in museums. It specifies the ratio of the damaging radiation intensity and the illuminance. Warm white LED lighting is even better suited for delicate objects than low-voltage halogen lamps with or without UV filter.

**Evaluation of colour rendering using Ra (CRI)**

Colour rendering refers to the ability of a light source to reproduce colours faithfully in comparison with an ideal or natural light source. One method used to quantify the colour rendering quality with maximum objectivity is the colour rendering index, CRI, also sometimes referred to as Ra in parts of Europe. It is calculated by comparing the colour rendering of the test source to that of a reference illuminant with correlated colour temperatures. A colour rendering index between 90 and 100 is considered very good, and a value between 80 and 90, as good. The CRI method as the only normatively valid process until now is highly controversial in expert circles and should only be used as a rough guide for a light source. For the best results, comparison of several light sources during a visual assessment may be worthwhile.

**LEDs in ERCO luminaires**

Luminaires with tunable white enable the setting of colour temperature. This allows the light colour to be adapted to daylight and specific visual tasks based on the principle of HCL (Human Centric Lighting).

**Evaluation of colour rendering according to TM-30**

As an alternative to the Ra /CRI process, TM-30 defines the values Rf and Rg. These reference the similarity to a test light source and reference spectrum with regard to colour fidelity (Rf - fidelity) and saturation (Rg - gamut). The reference light source is a “black body” or standard CIE-D light source. Rf is comparable with Ra and the calculation method and maximum value of 100 are identical. By considering 99 instead of 8 reference colours, lower values often result with Rf compared to Ra /CRI.

Rg specifies the colour range, i.e. the size of the displayable colour space. A light source with precise, true-to-nature colour rendering has an Rg value of 100; both smaller and larger values are possible.

Rf and Rg on their own however do not provide definitive information about the colour rendering quality of a light source. This is only possible with the colour vector graphic that displays the size and direction of colour shift for selected test colours compared to a reference light source.

**Light source**

<table>
<thead>
<tr>
<th>Light source</th>
<th>Relative damage factor f (mW/lm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED 2700K, CRI 92</td>
<td>0.151</td>
</tr>
<tr>
<td>LED 3000K, CRI 92</td>
<td>0.165</td>
</tr>
<tr>
<td>LED 3000K, CRI 97</td>
<td>0.160</td>
</tr>
<tr>
<td>LED 3500K, CRI 92</td>
<td>0.170</td>
</tr>
<tr>
<td>LED 4000K, CRI 82</td>
<td>0.190</td>
</tr>
<tr>
<td>LED 4000K, CRI 92</td>
<td>0.198</td>
</tr>
</tbody>
</table>

**Reference colours TM-30**

**Reference colours Rf (CRI)**

Rg specifies the colour range, i.e. the size of the displayable colour space. A light source with precise, true-to-nature colour rendering has an Rg value of 100; both smaller and larger values are possible.

**Reference colours TM-30**

**Damage factor**

The relative damage factor is used to assess suitable light sources for conservation requirements such as in museums. It specifies the ratio of the damaging radiation intensity and the illuminance. Warm white LED lighting is even better suited for delicate objects than low-voltage halogen lamps with or without UV filter.

**Evaluation of colour rendering using Rf (CRI)**

Colour rendering refers to the ability of a light source to reproduce colours faithfully in comparison with an ideal or natural light source. One method used to quantify the colour rendering quality with maximum objectivity is the colour rendering index, CRI, also sometimes referred to as Ra in parts of Europe. It is calculated by comparing the colour rendering of the test source to that of a reference illuminant with correlated colour temperatures. A colour rendering index between 90 and 100 is considered very good, and a value between 80 and 90, as good. The CRI method as the only normatively valid process until now is highly controversial in expert circles and should only be used as a rough guide for a light source. For the best results, comparison of several light sources during a visual assessment may be worthwhile.
LEDs in ERCO luminaires

**ERCO LED 2700K**
- $R_f = 91$
- $R_g = 100$
- $R_u / CRI = 92$

**ERCO LED 3000K**
- $R_f = 90$
- $R_g = 100$
- $R_u / CRI = 92$

**ERCO LED 3000K**
- $R_f = 96$
- $R_g = 103$
- $R_u / CRI = 97$

**ERCO LED 3500K**
- $R_f = 90$
- $R_g = 98$
- $R_u / CRI = 92$

**ERCO LED 4000K**
- $R_f = 90$
- $R_g = 99$
- $R_u / CRI = 92$

**ERCO LED 4000K**
- $R_f = 85$
- $R_g = 97$
- $R_u / CRI = 82$
Functional life
LEDs have a very low failure rate, meaning they produce light over an exceptionally long period of time. The failure rate of the High-power LEDs used by ERCO is on average less than 0.1% up to 50,000 hours. In contrast to conventional lamps, which have a failure rate of 50%, the term "functional life" therefore is not very useful for planning purposes.

Lumen maintenance
As with other light sources, the luminous flux of LEDs decreases over time so that from a certain point the illumination originally required is no longer achieved. The reliability and efficiency of LEDs depend largely on its operating conditions. ERCO luminaires therefore are thermally designed to remain below the critical temperature range when properly operated to ensure maximum luminous flux over a long life.

Since total failure of an LED is very rare, LEDs are more accurately defined by using the lumen maintenance factor over a specific period of time. As a blanket value it is common practice to indicate the time after which the luminous flux for a specific percentage of all LEDs has reduced to 70%, 80% or 90% of their original luminous flux.

The standard specification of LEDs currently used in the market is L70/B50 50,000h, i.e. after 50,000 hours, only 50% of the LEDs used still achieve 70% of their original luminous flux.

The operating hours together with the forward voltage of LEDs were to fluctuate, the energy requirement of the luminaires, though otherwise similar, would also vary. Consistent energy consumption across luminaires of the same design can only be guaranteed if the LEDs used in them are selected for their forward voltage. ERCO is one of the few luminaire manufacturers that specifies consistency in forward voltage as part of its selection criteria. The goal is to give the user assurance that the energy requirement specified for the luminaires used relates to actual figures.

L and B values
The L value represents the percentage of original luminous flux that the LED continues to achieve after the specified number of operating hours.

By definition, the B value reveals nothing about the total failure of an LED. It indicates the percentage of LEDs that fall below the L value after the specified number of operating hours. If no B value is indicated, B50 should always be assumed.

Operating duration
The reference point is always the operating time together with the L and B values.

LEDs used by ERCO
High-power LEDs
ERCO uses High-power LEDs with the specification L90/B10 50,000h, meaning 90% LEDs still achieve 90% of their original luminous flux in up to 50,000 hours. The residual 10% of the LEDs still have up to 89% of their original luminous flux with a failure rate of 0.1%.

In accordance with manufacturer specifications the High-power LEDs used by ERCO have a specification of L90 up to 100,000 hours.

Mid-power LEDs
The Mid-power LEDs used by ERCO are specified at up to 50,000h with L90/B50 and a failure rate of 0.1%.

COB (Chip-on-board) LEDs
The COB LEDs used by ERCO are specified with L80/B50 at up to 50,000h.

Current information about the LEDs can be found on the data sheets of the respective articles.

Forward voltage
Due to the manufacturing process, LEDs of the same type vary in terms of their forward voltage. This is the voltage drop across an LED, in other words, the volts it “consumes”. Together with the constant operating current, forward voltage defines the power consumption of an LED luminaire using the simple formula of voltage (volt) x current (ampere) = power (watt). Therefore, if the forward voltage of LEDs were to fluctuate, the energy requirement of the luminaires, though otherwise similar, would also vary.

Version
LEDs and control gear are continually advanced. In order to clearly identify which LEDs are used in a product, ERCO specifies a version number alongside the article number, which is found on each luminaire. This number applies to a luminaire range and bears no reference to the LED generation, i.e. luminaires from different product ranges may use the same LED generation despite the difference in version number. The version number is important for the user to know and must be stated particularly when reordering luminaires.

Within a given production year, ERCO always uses the latest generation of LEDs in all luminaires with a warm white or neutral white light colour.
Light intensity distribution

The spatial distribution of the lamp lumens results in a 3-dimensional body of light intensity distribution. A longitudinal or transverse section through this body results in a 2-dimensional light intensity distribution curve that indicates the light intensity of a luminaire for all angles of this plane. Usually, this is displayed in a polar coordinate diagram from which the main direction of the beam is recognisable, e.g. direct or indirect emission. The unit of light intensity is Candela (cd).

The maximum light intensity specified in ERCO light intensity distribution curves is always an absolute value for a luminaire. Conversion with the luminaire luminous flux is not required. The light intensity distribution curve allows lighting designers to determine the fundamental suitability of a luminaire for a specific task.

The illuminance at a specific angle to the luminaire is determined by dividing the light intensity of the luminaire in this direction by the square of the distance between the luminaire and target surface.

Isolux curves

represent the illuminance distribution in a defined situation. The illuminance values are shown without regard to any maintained values. The letter h refers to the distance between front lens and illuminated surface. For wall-mounted luminaires used for floor washlighting this is the mounting height, and for ceiling washlights, the height between luminaire and ceiling.

RGBW

The “Primary colours of LED module” table for RGBW luminaires shows the colour parameters to define the luminaire’s setting options via DALI. The parameters shown relate to the dominant wavelength λ and colour saturation S for each colour. The controllability of the parameters depends on the type of luminaire and the lighting control system used.

For RGBW luminaires the data specified relates to the maximum achievable values of the luminaire. The luminous flux of the individual colours is specified in the data sheets.

Up-to-date information is available at www.erco.com/service/RGBW

Example of RGBW luminaire:
**Planning data for downlights**

The "planning data" provided includes $P^*$, the "connected load per m² and 100lx" and $n^*$, the "number of luminaires per 100lx". In practice, these must be converted using the maintenance factors determined separately.

"Guide values" are used to plan the approximate lighting requirement. These are small tables including the "number of luminaires per 100m²" and the "illuminance values for luminaire modules". In practice, the guide values must also be converted using the maintenance factors determined separately.

---

**UGR glare evaluation**

Glare evaluation according to UGR

The UGR method – Unified Glare Rating according to CIE 117 – is used to evaluate and limit the psychological direct glare from luminaires. Contrary to the previous methods, where the glare was rated using the luminance values of a single luminaire, this method calculates the glare of the entire lighting installation at a defined observer position.

An exact calculation of the UGR value at a defined observer position in a room is possible with modern lighting design programs such as DIALux.

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**Planning data for spotlights, uplights and projectors**

Illuminance and light beam diameter

The tables usually shown next to the light intensity distribution comprise the illuminance values $E$ (lx) and the light beam diameter $D$ (m) resulting from the half peak value against the distance or height $h$ (m). Illuminance values relate to the axial intensity.

Example of a rotationally symmetrical spotlight

The illuminance values are given in increments of 1m.

<table>
<thead>
<tr>
<th>$h$ (m)</th>
<th>$E$ (lx)</th>
<th>$D$ (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1100</td>
<td>1.15</td>
</tr>
<tr>
<td>2</td>
<td>275</td>
<td>2.31</td>
</tr>
<tr>
<td>3</td>
<td>122</td>
<td>3.46</td>
</tr>
<tr>
<td>4</td>
<td>69</td>
<td>4.62</td>
</tr>
<tr>
<td>5</td>
<td>44</td>
<td>5.77</td>
</tr>
</tbody>
</table>

Example of an axially symmetrical projector

Where illuminances are high, the values are given in increments of 2m.

The first column of $D$ (m) contains the beam angle of the plane $C_{90}C_{270}$, the second column contains the values of the plane $C_{0}C_{180}$.

<table>
<thead>
<tr>
<th>$h$ (m)</th>
<th>$E$ (lx)</th>
<th>$D$ (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>8620</td>
<td>0.31</td>
</tr>
<tr>
<td>4</td>
<td>2155</td>
<td>0.63</td>
</tr>
<tr>
<td>6</td>
<td>958</td>
<td>0.94</td>
</tr>
<tr>
<td>8</td>
<td>539</td>
<td>1.26</td>
</tr>
<tr>
<td>10</td>
<td>345</td>
<td>1.57</td>
</tr>
</tbody>
</table>

Example of an uplight with indirect emission

The table data for recessed floor luminaires shows the beam direction values, i.e. from bottom to top.

<table>
<thead>
<tr>
<th>$h$ (m)</th>
<th>$E$ (lx)</th>
<th>$D$ (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>125</td>
<td>1.49</td>
</tr>
<tr>
<td>4</td>
<td>195</td>
<td>1.28</td>
</tr>
<tr>
<td>3</td>
<td>346</td>
<td>0.90</td>
</tr>
<tr>
<td>2</td>
<td>779</td>
<td>0.60</td>
</tr>
<tr>
<td>1</td>
<td>3117</td>
<td>0.30</td>
</tr>
</tbody>
</table>
ERCO planning data

Planning data for wallwashers

Tables with illuminance values of wallwashers are based on calculations with a reasonable offset from the wall and appropriate luminaire spacing, and help decide on the right wallwashers and their optimal positioning. Here too, the values must, in practice, be converted using the maintenance factors determined separately. The tables are based on a calculation with at least five luminaires without consideration of the indirect components and peripheral zones.

To evaluate illuminance distribution we recommend consulting the detailed tables in the product data sheets. To consider the actual spatial situation such as room proportions and surface characteristics it makes sense to carry out an individual project-related calculation using the photometric data. This applies in particular to the double wallwashers.

All illuminance values are new values. In practice, these must be converted with the separately determined maintenance factors. With luminaires designed for wide axis distances the intersecting beams on the side walls should be checked in a calculation.

Specifications in the catalogue:
Mean illuminances En (wall)
Specifications:
Angle of tilt 35° (only with tiltable luminaires)

<table>
<thead>
<tr>
<th>Wall height (m)</th>
<th>Offset from wall (m)</th>
<th>Luminaire spacing (m)</th>
<th>Illuminance E, (lx)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.00</td>
<td>1.00 1.00 1.25</td>
<td>1.00 1.25 1.25 1.50</td>
<td>324 265 221 186</td>
</tr>
</tbody>
</table>

Specifications in the product data sheet:
Angle of tilt 35° (only with tiltable luminaires)

<table>
<thead>
<tr>
<th>Offset from wall (m)</th>
<th>Luminaire spacing (m)</th>
<th>Below luminaire</th>
<th>Between luminaires</th>
<th>Below luminaire</th>
<th>Between luminaires</th>
<th>Below luminaire</th>
<th>Between luminaires</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>1.00 1.25</td>
<td>284 266</td>
<td>318 283</td>
<td>239 227</td>
<td>206 185</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.50</td>
<td>1.25 1.25</td>
<td>386 386</td>
<td>320 303</td>
<td>252 247</td>
<td>216 201</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.75</td>
<td>1.25 1.25</td>
<td>383 356</td>
<td>288 289</td>
<td>247 241</td>
<td>207 201</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>1.25 1.25</td>
<td>351 334</td>
<td>265 269</td>
<td>229 225</td>
<td>196 199</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.25</td>
<td>1.25 1.25</td>
<td>336 327</td>
<td>281 261</td>
<td>225 213</td>
<td>191 193</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.50</td>
<td>1.25 1.25</td>
<td>336 330</td>
<td>277 263</td>
<td>215 212</td>
<td>186 174</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.75</td>
<td>1.25 1.25</td>
<td>331 329</td>
<td>274 263</td>
<td>214 209</td>
<td>184 174</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>1.25 1.25</td>
<td>314 318</td>
<td>259 254</td>
<td>216 212</td>
<td>184 177</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.25</td>
<td>1.25 1.25</td>
<td>288 289</td>
<td>233 233</td>
<td>210 211</td>
<td>181 174</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.50</td>
<td>1.25 1.25</td>
<td>256 248</td>
<td>208 211</td>
<td>201 204</td>
<td>172 169</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.75</td>
<td>1.25 1.25</td>
<td>218 212</td>
<td>182 181</td>
<td>187 190</td>
<td>158 158</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Correction table

To determine the illuminance, the maintenance factor must be taken into account along with the geometry of the room to be planned and its reflection capacity. To do so, the correction factor f is taken from the correction table. The correction table itself can be found on the product specification sheet. The correction table also provides the required factors to be applied for room data other than k = 2.5 (approx. 100m²) and reflectances other than 0.7/0.5/0.2.
ERCO planning data

On publication of DIN EN 12464-1, the luminous intensities it recommends are "maintained values of illuminance". These must not at any time be lower than indicated. The new value for the illuminance of an installation is calculated from the maintained value of illuminance and the maintenance factor.

\[ E_n = \frac{E_m}{M_F} \]

where:
- \( E_n \) is the new value of illuminance.
- \( E_m \) is the maintained value of illuminance.
- \( M_F \) is the maintenance factor.

The classification of ERCO LED luminaires in D, E or F classes is found in the product data sheets. The luminaires are classified according to the environmental conditions and their level of dust protection.

**Classification of Environmental Conditions**
- P (very clean room) pure
- C (clean room) clean
- N (average conditions) normal
- D (dirty room) dirty

**Cleaning frequency (a)**

<table>
<thead>
<tr>
<th>Environmental conditions</th>
<th>P</th>
<th>C</th>
<th>N</th>
<th>D</th>
<th>P</th>
<th>C</th>
<th>N</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>D Closed reflectors</td>
<td>0.94</td>
<td>0.88</td>
<td>0.82</td>
<td>0.77</td>
<td>0.91</td>
<td>0.83</td>
<td>0.77</td>
<td>0.71</td>
</tr>
<tr>
<td>E Dustproof luminaires</td>
<td>0.96</td>
<td>0.94</td>
<td>0.90</td>
<td>0.86</td>
<td>0.93</td>
<td>0.91</td>
<td>0.86</td>
<td>0.81</td>
</tr>
<tr>
<td>F Luminaires, indirect emission</td>
<td>0.93</td>
<td>0.86</td>
<td>0.81</td>
<td>0.74</td>
<td>0.88</td>
<td>0.77</td>
<td>0.66</td>
<td>0.57</td>
</tr>
</tbody>
</table>

The maintenance factor is calculated on the basis of separate tables or in computer calculations such as DIALux.

\[ M_F = LMF \cdot RSMF \cdot LLMF \cdot LSF \]

**LMF Luminaire Maintenance Factor**

The luminaire maintenance factor LMF takes into account the reduction of luminous flux due to the soiling of the luminaire. It signifies the ratio of a luminaire's light output ratios before and after cleaning. The LMF depends on the version of the luminaire and the related possibility of soiling. The LMF classification is indicated next to the product. The LMF values ensue from the attached tables.

Classification Definition

**Classification D:**
Closed reflectors
Examples from the ERCO product families:
- Spotlights and wallwashers with lenses, recessed luminaires and surface-mounted and pendant luminaires with cover glass, e.g. Quintessence.

**Classification E:**
Dustproof luminaires
The following are considered closed due to their design:
- All LED luminaires with dust-tight tertiary lenses – these are all LED luminaires for track mounting and certain recessed ceiling luminaires, such as Light Board.
- All luminaires with protection mode IP6x.

**Classification F:**
Luminaires with indirect emission
Wall-mounted luminaires, e.g. Trion Uplight.
Light structures, e.g. Hi-trac, indirect emission.

The optimal cleaning frequency must be defined for the maintenance plan.
**RSMF**
Room Surface Maintenance Factor

The room surface maintenance factor RSMF takes into account the reduction of luminous flux due to the soiling of the room surfaces. It signifies the ratio of the room surface reflectances before and after cleaning. The RSMF depends on the degree of soiling of the room or the ambient conditions of a room and the specified cleaning frequency. Further influencing factors are the size of the room and the type of lighting (direct to indirect emission).

**LLMF**
Lamp Lumen Maintenance Factor

The lamp lumen flux maintenance factor LLMF takes into account the reduction in luminous flux as a result of ageing of the lamp. It signifies the ratio of the lamp lumens at a specific time and the new value. The degradation of an LED strongly depends on the ambient temperature within which it is operated; the specified values apply at a luminaire ambient temperature of 25°C.

**LSF**
Lamp Survival Factor

The lamp survival factor LSF takes into account the variation of the life of individual lamps from the mean life of the lamps. The LSF depends on the service life of the lamp. If defective lamps are replaced immediately, the lamp survival factor applied is LSF = 1.

**Classification of Environmental Conditions**

- **P** (very clean room) pure
- **C** (clean room) clean
- **N** (average conditions) normal
- **D** (dirty room) dirty

**Cleaning frequency (a)**

<table>
<thead>
<tr>
<th>Environmental conditions</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct general lighting</td>
<td>0.97 0.95 0.91 0.86</td>
<td>0.97 0.94 0.90 0.86</td>
<td>0.97 0.94 0.90 0.86</td>
</tr>
<tr>
<td>Direct accent lighting</td>
<td>0.99 0.97 0.95 0.92</td>
<td>0.98 0.97 0.95 0.92</td>
<td>0.98 0.97 0.95 0.92</td>
</tr>
<tr>
<td>Direct/indirect</td>
<td>0.94 0.99 0.80 0.69</td>
<td>0.93 0.88 0.79 0.69</td>
<td>0.93 0.88 0.79 0.69</td>
</tr>
<tr>
<td>Indirect</td>
<td>0.91 0.83 0.68 0.51</td>
<td>0.90 0.81 0.67 0.50</td>
<td>0.90 0.81 0.67 0.50</td>
</tr>
</tbody>
</table>

**Calculation example for a period of 20,000 operating hours:**

A spotlight with classification E is used in a very clean room with annual cleaning:

\[
MF = LMF \times RSMF \times LLMF \times LSF
\]

\[
MF = 0.96 \times 0.99 \times 0.98 \times 1
\]

\[
MF = 0.93
\]
ERCO planning data

Abbreviations:

- $E_m$ (lx) Maintained value of illuminance
- $E_n$ (lx) Illuminance taken from the Guide values table
- $n$ Number of luminaires
- $P$ (W) Connected load of one luminaire incl. control gear
- $P^*$ (W/m²) Connected load per 100lx
- $n^*$ (1/100m²) Number of luminaires per 100lx
- $f$ Factor taken from the correction table, depending on reflectances and room index $k$
- $k$ Room index
- a (m) Length of room
- b (m) Width of room
- h (m) Luminaire height above working plane

Requirements:

The guide values $E$ (lx), $P^*$ (W/m²) and $n^*$ (1/100m²) have been calculated for a room $k=2.5$, working plane 0.75m and reflectances of ceilings = 0.7, walls = 0.5 and floors = 0.2. They include the light loss factor of 1.0. They are valid for a regular module and in practice they also apply to asymmetrical modules.

For room conditions other than $0.7/0.5/0.2$ and $k = 2.5$ the appropriate correction factor $f$ is to be applied.

The values are to be converted proportionally.

Room data:

- $H = 2.90$m
- $a = 12.00$m
- $b = 14.00$m
- $h = 2.15$m

Room index:

- $k = \frac{a \cdot b}{h(a+b)}$
- $k = 3.0$

Reflectances:

- $\varphi_c$ Ceiling = 0.5
- $\varphi_w$ Walls = 0.2
- $\varphi_f$ Floor = 0.1

Correction table:

<table>
<thead>
<tr>
<th>k</th>
<th>0.6</th>
<th>1.0</th>
<th>1.5</th>
<th>2.5</th>
<th>3.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceiling</td>
<td>77</td>
<td>77</td>
<td>74</td>
<td>116</td>
<td>133</td>
</tr>
<tr>
<td>Wall</td>
<td>58</td>
<td>69</td>
<td>91</td>
<td>129</td>
<td>133</td>
</tr>
<tr>
<td>Floor</td>
<td>49</td>
<td>67</td>
<td>84</td>
<td>95</td>
<td>99</td>
</tr>
<tr>
<td></td>
<td>49</td>
<td>67</td>
<td>84</td>
<td>95</td>
<td>99</td>
</tr>
</tbody>
</table>

Correction factor $f = 93\%$
**General Information**

This catalogue supersedes all previous issues. We reserve the right to make technical and design changes to improve our products or to meet modified statutory requirements. Current data will be supplied on request.

All ERCO product documentation can be found at www.erco.com. Many products are protected by industrial patent rights.

LED modules are part of the luminaire.

Voltages given in this catalogue refer to a mains frequency of 50/60Hz.

Installation in accordance with the respective national installation regulations.

The standard finish of our products is specified in the product description. The following coloures can also be supplied: white RAL 9002, white RAL 9010, silver RAL 9006 and black RAL 9101. Other colours on request.

ERCO luminaires are designed, manufactured and tested in accordance with the applicable standards and technical regulations. The technical tests are implemented at 25°C ambient temperature.

The luminous flux values and photometric data also relate to a 25°C ambient temperature. At other temperatures, deviations from the catalogue data are possible.

**Symbols and abbreviations**

ERCO luminaires and accessories bearing this sign meet the requirements of the EUM agreement.

DEKRA test mark

VDE test mark

SEMKO test mark

UL test mark

NEMKO testing laboratory

China Compulsory Product Certification, Safety & EMC

Regulatory Compliance Mark, Australian test mark

EAC

Eurasian Conformity mark

Class I luminaires

Class II luminaires

Class III luminaires

IP20 All luminaires meet the requirements of protection mode IP20 and are not marked. Other protection modes are specified for each product.

IP44 Protected against the ingress of solid foreign objects greater than 1mm. Protected against splashing water from any direction.

IP65 Dust-tight. Protected against strong jets of water from any direction.

IP67 Dust-tight. Protected against the results of temporary immersion.

IP68 Dust-tight. Protection against the effects of permanent immersion to a depth of max. xm (x depends on the luminaire).

**DE AEOF 102810**

ERCO GmbH was awarded the AEOF (Authorised Economic Operator Full) certificate on 27/8/2010. This certification confirms ERCO GmbH to be a particularly reliable and trustworthy partner in international trade. It governs the safety and efficiency of the supply chain through to the consumer.

The guarantee terms pertaining to the voluntary manufacturer’s guarantee of 5 (five) years given by ERCO GmbH on ERCO products shall apply in addition to our General Terms and Conditions. Full details of these current guarantee terms are available on request by e-mailing guarantee@erco.com

All luminaires comply with the F-conditions according to EN 60598 and are suitable for mounting on or in normally flammable mounting surfaces (building components).

Luminaires which are not suitable for covering with heat insulation material.

SELV Safety extra-low voltage according to EN 60558-2-6

FCC Federal Communications Commission

EEI Energy Efficiency Index: The Energy Efficiency Index of the LEDs used in our luminaires is shown in the data sheet of the luminaire.

CCR Constant Current Reduction Dimming method by which the amplitude of the current is changed by the LED according to the dimming value. Unlike PWM, the current value is constant in time.

PWM Pulse Width Modulation

In this dimming method, the current sent through an LED is switched on and off at a high frequency. Dimming is implemented by changing the ratio between switch-on and switch-off time.

**DIN EN ISO 9001:2015**

The ERCO Quality Management System has been organised in accordance with DIN EN ISO 9001:2015. The certified system includes: design/development, production, assembly, sales and service. ERCO sales organisations worldwide are always included in the management system and are regularly audited by ERCO auditors.
Information about LEDs

Due to the production process of LEDs, the specified typical LED parameters show statistical values only. Deviations are possible within the typical size range of LEDs and are within the usual industrial tolerances. The service life of an LED largely depends on the ambient temperatures. Therefore, the luminaires should not be installed near other sources of heat such as heating pipes, etc. Furthermore, these luminaires should not be operated when exposed to direct sunlight.

Current information about the LEDs can be found on the specification sheets of the respective articles.

DALI (Digital Addressable Lighting Interface)

DALI luminaires are activated by any DALI lighting control system. A control unit (e.g. dimmer) with DALI Broadcast Signal may be used for specific purposes. All electrics must be installed as specified in the DALI standard. ERCO DALI control gear is compatible with the DALI 2.0 standard. General information on DALI is available at www.digitalilluminationinterface.org.

RGBW luminaires

With use of a DALI system with colour management (device type 8) the luminaire is controlled with one address.

With operation in a system without colour management the luminaire can be reconfigured to three or four addresses.

Luminaires with tunable white

The tunable white component of a luminaire can only be controlled with a DALI system with colour management (device type 8). These systems detect the luminaire with one address. Alternatively, spotlights and recessed luminaires with tunable white can also be controlled via Casambi Bluetooth; individual product ranges can also be controlled via Zigbee 3.0.

Luminaires with Casambi Bluetooth

To control luminaires with Casambi Bluetooth, a mobile device with the free Casambi app or hardware approved for Casambi Bluetooth is required. The range of the Casambi mesh network can be affected by structural conditions.

Overvoltage protection for electronic control gear

If protection from spikes is required, e.g. when switching inductive loads, ERCO recommends the use of separate overvoltage protection units.

Electronic control gear in 3-circuit installation

To avoid damaging the electronic control gear, the neutral conductor of control gear in 3-circuit installations must never be disconnected.

Phase dimmable luminaires

LED luminaires can be dimmed depending on the type of control gear. Phase dimmable luminaires may only be used with suitable dimmers. Installation information in the mounting instructions of the luminaire and those of the dimmer manufacturer must be observed.

The dimming range specified in the product description is determined with regard to current dimmers. The actual dimming range available may vary from the product description, depending on the dimmer used and the load situation.

To ensure proper functioning of the dimmer, especially when using universal dimmers, check the luminaire/control gear/dimmer combination before installation.

Information on environmental protection and luminaire disposal

ERCO products are manufactured in compliance with the REACH regulation and the RoHS directive.

WEEE

The WEEE (Waste Electrical and Electronic Equipment) directive of the EU for electric and electronic devices regulates the free return and environmentally friendly disposal and recycling of old and used electrical equipment by manufacturers and importers. The Directive aims to reduce the amount of electrical and electronic waste and encourage everyone to recycle the equipment.

Disposing of luminaires

ERCO has met the requirements of the WEEE Directive since March 2006 in that it has clearly marked all its products with the symbol of the crossed-out bin. These products may be returned free of charge. Alternatively, at the end of their service life, luminaires may be disposed of at appropriate local facilities provided for the disposal or recycling of electronic equipment.
## ERCO addresses

### Europe

<table>
<thead>
<tr>
<th>Country</th>
<th>Address</th>
<th>Phone Numbers</th>
<th>Email</th>
</tr>
</thead>
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<tr>
<td>Luxembourg</td>
<td>see Germany</td>
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<tr>
<td>Finland</td>
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<tr>
<td>Estonia</td>
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<td><a href="mailto:info.fr@erco.com">info.fr@erco.com</a></td>
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<td>Bulgaria</td>
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<td>Turkey</td>
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