28,000
Possibilities, one system—
the Eclipse spotlight range

The art of illuminating
With innovative low brightness lenses, a wide range of accessories, four sizes and a variety of connectivity solutions, Eclipse is the ideal lighting tool for demanding lighting tasks in museums, galleries and prestigious public buildings. Maximum flexibility is available for 48V and 120V. Discover your Eclipse spotlight: p. 6

Small cross section, large flexibility:
Minirail 48V track

48V
Small cross section, large flexibility.
Minirail 48V track provides the perfect infrastructure for ERCO low-voltage spotlights. This track, with a width of less than 1”, is available in all control variants and various mounting options: p. 36
ERCO projects

Whether lighting monumental buildings, extraordinary museums and galleries, or public structures: ERCO offers professional tools for indoor and outdoor applications.

The Shed, New York
Grasshopper projectors at the corners of the beams with a 6500K light color underline the cool aesthetic of the extendable outer shell.


Ruby City

ERCO projects

Learn more about our international projects in our reports and background stories:
www.erco.com/stories

Whether lighting monumental buildings, extraordinary museums and galleries, or public structures: ERCO offers professional tools for indoor and outdoor applications.

Grasshopper projectors, floodlights and wallwashers

Ruby City

Parscan luminaires for track

ERCO projects

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Grasshopper projectors, floodlights and wallwashers

Ruby City
High lumen-output Parscan spotlights achieve perfect illumination with high efficiency and long service life even in tall rooms. Architecture: Scott Brownrigg, Cardiff. Lighting design: Arup, Bristol.

Light Board luminaires for track

Richard Taittinger Gallery

Light Board wall-washers not only create a grand atmosphere in entryways but also uniform light for large-format works of art. Architecture: studioMDA, New York.

Cactus Sculpture, Perth


Learn more about our international projects in our reports and background stories:

www.erco.com/stories
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 low brightness 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 miniaturized lighting in confined spaces with Minirail 48V track and wallwashing 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
Eclipse 48V for Minirail 48V track

XS
Ideal for small exhibits and shop windows as well as for private use at very short distances
Ø 1 1/4” (32mm)
205lm / 2W – 371lm / 3.1W

S
Perfect for sensitive exhibits and room heights up to 10ft
Ø 2 3/8” (60mm)
286lm / 3W – 1480lm / 12.2W

M
Ideal for versatile use in museums and shops with room heights up to 16ft
Ø 3 5/8” (92mm)
927lm / 4.1W – 2598lm / 21.4W

L
Ideal for impressive displays of exhibitions with room heights up to 26ft
Ø 5 1/16” (129mm)
857lm / 9.1W – 3920lm / 30.1W

Eclipse for 120V track

XS
Ideal for small exhibits and shop windows as well as for private use at very short distances
Ø 1 1/4” (32mm)
205lm / 2W – 371lm / 3.1W

Eclipse S
Spot 18°
3000K

M
Ideal for versatile use in museums and shops with room heights up to 16ft
Ø 3 5/8” (92mm)
927lm / 4.1W – 2598lm / 21.4W

Eclipse M
Framing 40°
Tunable white

L
Ideal for impressive displays of exhibitions with room heights up to 26ft
Ø 5 1/16” (129mm)
857lm / 9.1W – 3920lm / 30.1W

Eclipse L
Spot 19°
4000K

Light for small and large dimensions

Eclipse is available in four sizes – optimized for different applications. To come even closer to our maxim of “light instead of luminaires” we have significantly miniaturized the luminaire dimensions of Eclipse size XS to a diameter of only 1 1/4”.

XS
Ø 1 1/4”

S
Ø 2 3/8”

M
Ø 3 5/8”

L
Ø 5 1/16”

Eclipse XS
Spot 14°
3000K

Eclipse S
Spot 18°
3000K

Eclipse M
Spot 18°
RGBW

Eclipse L
Spot 19°
4000K

Eclipse L
Oval flood 18° x 66°
3000K
Magical low brightness lens for highest visual comfort

Eclipse projects light with its low brightness lens as precisely as a camera lens focuses light. ERCO thus sets new standards in architectural lighting. The interchangeable low brightness 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° from horizontal ensures maximum visual comfort and glare-free light enjoyment.

Precise light distributions for point-precise illuminances with no spill light.

Eclipse 48V
Size S
Ø 2 3/8" (60mm)
Image in original size.
The right light spectrum for any application

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

<table>
<thead>
<tr>
<th>Light Spectra</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 6 spectra from 2700K to 4000K and up to CRI 97 and a further 24 spectra via conversion filter</td>
<td></td>
</tr>
<tr>
<td>- Tunable white from 2700K to 8000K</td>
<td></td>
</tr>
<tr>
<td>- RGBW with over 16 million colors</td>
<td></td>
</tr>
</tbody>
</table>

Select from:

Lenses and filters as accessories:
- +/- shift of color temperature
- Optimized color rendering ideal for museums and shops

6 light spectra for any application

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

Nuanced displays with tunable white

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

RGBW luminaires for colored lighting design

LED-RGBW luminaires enable selection from over 16 million colors and pastel tones. A special optic achieves completely uniform, color shade-free mixing - ideal for the colored 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.

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

Light-tight housing
Thanks to the closed housing, no unintentional reflections are created in the room and towards the observer.

Maximun efficiency
Eclipse achieves high illuminance even with small luminaire sizes. To crisply illuminate a picture with 5fc from a distance of 15ft, you only need 8.2W in size S.

Sharp contours
Eclipse achieves sharp contours especially with larger artwork.

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

Tunable white and RGBW
With tunable white and RGBW you can even individually adjust the color temperature to match the artwork or create scenographic concepts with 16 million colors.

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.

Curiou
s?
Take a look at the features in the video:
www.erco.com/eclipse-framer
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.

Variable like never before! With a room height of 20ft, the ideal luminaire spacing is 6 1/2ft. With Eclipse this can vary by +/- 50% and thus between 3ft and 10ft. This enables you to remain flexible in your planning.

Taking into account the maximum possible spacing, you reduce your investment costs compared to normal wallwashers.

Also available in changeable colors – you can change the atmosphere in the room at any time thanks to tunable white from 2700K-8000K or RGBW with over 16 million colors.

Creating size and brightness with wallwashing

Are you confronted with challenging spatial conditions? No problem: with a room height of 20ft for example you can install Eclipse wallwashers at a distance of 5ft from the wall instead of 6 1/2ft, meaning 25% closer than before.

- 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

Eclipse wallwashers are characterized by an outstandingly uniform distribution of brightness, even on a 20ft high wall – with perfect visual comfort.
Everything from accenting to wallwashing

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

Stay flexible. You can simply change the light distribution yourself at any time – without tools and with one hand.
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
   - Zoom spot or zoom oval

2. Modulate the light distribution with lenses
   - Softening lens
   - Sculpture lens
   - Cold Filter, Cold Filter Plus or Warm Filter, Warm Filter Plus
   - Skintone Filter or Food Filter
   - Blue Light Filter

3. Achieve even more visual comfort with anti-glare elements
   - Snoot
   - Honeycomb louvre
   - Framing
   - Barn doors 4/8-fold

- 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
Easy upgrading: Add-on control unit for Eclipse 48V
Change the control mode at any time with the attachable add-on control unit.

Casambi Bluetooth
Control luminaries wirelessly via Bluetooth using a smartphone or tablet without additional hardware. Individual switching and dimming, setting up light scenes and integrating sensors is possible with Casambi Bluetooth.

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

0-10V via bridge
Connect your Casambi controlled luminaires to your 0-10V system using the new 0-10V Casambi bridge as an accessory (available on request).

On-board Dim
Dimming via rotary control on the luminaire.

Switchable
Switch the luminaire on or off via the power cable. Upgrading with the add-on control unit enables you to transform a switchable luminaire into a dimmable luminaire.

Light control in the digital age

Eclipse 48V
Size S
Ø 2.3/8” (60mm)

Eclipse 120V
Size L
Ø 5 1/16” (129mm)

0 - 10V

Eclipse 120V with modern control options
Eclipse is available in control modes Casambi Bluetooth, On-board Dim and Switchable. Other control modes are possible on request.
**The advantages of a 48V system**

**CLASS 2**

Class 2 safety extra-low voltage

Due to the safety extra-low voltage, no special protective measures are required when installing the Minirail 48V track.

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**Small infrastructure**

The Minirail 48V track has only a quarter of the cross-section of the ERCO 120V track. The Minirail 48V track therefore has an elegant appearance in rooms and is discreet in furniture.

---

**Very small adapter**

The adapter for installing on the Minirail 48V track is very small with 48V luminaires because these luminaires do not need their own power supply unit. Thus several luminaires can be positioned close together. The luminaire is also protected against polarity reversal, so no attention must be paid to alignment when inserting it into the Minirail track.

---

**Easier installation**

Installation is simplified because only two wires are required for power feed and control instead of five wires as in 2-circuit installations. Nevertheless, all known control methods are possible! Control is elegant and uncomplicated via radio technology. A gateway provides for connection to an existing lighting control system.

---

**Complete flexibility**

Minirail 48V track has the same depth of accessories as the familiar ERCO track with connectors and couplers, and can be mounted in a variety of ways as recessed, surface-mounted or pendant solutions.

---

**More efficiency via central voltage conversion**

48V low voltage systems are very efficient, because the conversion from mains voltage to 48V occurs once centrally at the Minirail 48V track power feed and not at each individual luminaire. Compared to 120V systems, the heat in display cases can be reduced by 20W when using ten Eclipse 48V spotlights of size S.

---

**Reliably into the future with wireless connectivity**

With its add-on control unit, ERCO has developed a flexible interface for controlling 48V luminaires. The unit can be exchanged without tools. In no time at all, a luminaire with on-board dimmer is transformed into a Bluetooth-dimmable luminaire for example. The Minirail track is only used for power supply. Cable-based dimming modes such as 0-10V can also be integrated via radio technology.

---

**Lower costs due to less control gear**

Because conversion from mains voltage to 48V is implemented once centrally at the feed for the Minirail 48V track and not separately for each luminaire, a 48V system is around 90% cheaper in investment costs than a comparable high voltage system.

---

**Ideal for precious arts: reduced heat generation**

The 48V luminaire emits less heat because it does not need its own power supply unit. This is ideal for heat-sensitive exhibits, especially in display cases. With ten Eclipse 48V spotlights in size S, the heat in display cases can be reduced by 200W compared to a high voltage system.

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Eclipse in application

Whether as a tunable white solution in museums, as a miniaturized 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
- Low brightness lens: narrow spot, spot, flood, wide flood or extra wide flood
- Oval flood: oval flood, oval flood or wallwash
- Zoom lens: zoom spot and zoom flood, infinitely variable focus
- Projection lens: framing; infinitely variable focus
- Variable focus made of optical polymer

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

3 ERCO LED module
- High-power LEDs: warm white (3500K or 3000K), neutral white (4000K), tunable white (3000-6000K) or RGBW
- Collimating lens made of optical polymer

4 Housing and bracket
- White (RAL9003), black or silver
- Die-cast zinc or cast aluminum, powder-coated
- Pivotable from 0° to 270°
- Bracket: cast aluminum/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

6 ERCO Minirail adapter or turning adapter

Variants on request
- Housing: 10,000 further colors
- Control: other control modes
Please contact your ERCO consultant

Special characteristics

- Efficient low brightness technology
- Various light distributions
- Tunable white technology
- Various light distributions
- Diverse accessories
- Connectivity

- Low brightness lens: The low brightness 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 (1°) to wide flood (60°) 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 simply 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 colored light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate colored light very efficiently and flexibly.

Colored light
- Cool white (6500K), warm white (3000K), RGBW

Efficient low brightness technology
- Visual cut-off 30°/40° from horizontal
- Various light distributions
- Tunable-white technology
- Various light distributions
- Diverse accessories
- Connectivity

- Switchable
- On-board Dim
- Casambi
- Zigbee
- Various housing colors
- Various construction sizes
- Various control types

- ERCO high-power LEDs
- Outstanding thermal management
- EMC-optimized
- Various light colors
- Accessories for maximum visual comfort
Eclipse 48V for Minirail track

**Size**

<table>
<thead>
<tr>
<th>Width</th>
<th>Size M</th>
</tr>
</thead>
<tbody>
<tr>
<td>149/1848lm</td>
<td>4.2W/467lm [Narrow spot]</td>
</tr>
<tr>
<td>21.4W/2598lm</td>
<td></td>
</tr>
</tbody>
</table>

**LED module**

Maximum color at 4000K CRI 92

**Light color**

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

**Light distribution**

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

**Control**

- Switchable
- Casambi Bluetooth
- Zigbee
- On-board Dim

**Color (housing)**

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

**Accessory**

- Lenses
- Lens Units Snoot Add-on Control Units
- Filter Honeycomb louvre Barn doors Bridges/Gateways *

**Output power**

- 14W/1848lm
- 21.4W/2598lm
- 18.2W/2131lm
- 2700K CRI 92
- 3000K CRI 97
- 3500K CRI 92
- 4000K CRI 82

**Color temperature**

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

**Maximum value at 4000K CRI 82**

**Article numbers and planning data:**

www.erco.com/019322-us

**Design and application:**


* available on request
**Eclipse** for 2-circuit track

### Size

<table>
<thead>
<tr>
<th>LED module</th>
<th>Maximum color at 4000K CRI 82</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.7W/2754lm</td>
<td>9.2W/1114lm (Narrow spot)</td>
</tr>
<tr>
<td>30.1W/3600lm</td>
<td></td>
</tr>
</tbody>
</table>

### Light color

- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 93
- 4000K CRI 92
- 4000K CRI 97
- 3000K CRI 97
- 4000K CRI 92

### Light distribution

- **Spotlights**
  - Narrow spot
  - 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

### Control

- Switchable
- On-board Dim
- Trailing edge dimmable
- Casambi Bluetooth
- 0-10V via Bridge

### Color (housing)

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

### Accessory

- Lenses
- Lens units
- Snoot
- Bridges/Gateways *
- Filter
- Honeycomb louvre
- Barn doors

* available on request
A new and real alternative to track: elegantly mount single 48V luminaires with the singlet.

Stay flexible. Minirail 48V offers a wide range of accessories so that you can plan the track as needed, in either a recessed, surface-mounted or pendant solution. Of course, reverse polarity protected and simple. The track can be shortened on site.

Minirail 48V track

Small cross section, large flexibility
With Minirail, ERCO offers a miniaturized 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 realized in the smallest of spaces. The 48V operating voltage represents an optimum in terms of safety and efficiency.

Because luminaires are protected against polarity reversal, electrical installation is easier than with high voltage track and can be installed faster. Alignment of the adapter can also be handled flexibly during insertion.

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.

- Miniatuirized track with many installation options
- 48V low voltage with extensive accessories
- Modern connectivity solutions also for 0-10V

Keep an eye on the future: signal transmission to the luminaire is wireless and can be simply converted by changing the add-on control unit, e.g. from On-board Dim to Casambi Bluetooth or Zigbee 3.0.
Singlet

With the singlet, 48V luminaires can be individually mounted on the ceiling.

Large system on a small scale

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

Track

Minirail 48V track is available in lengths of 3.28, 6.56 or 9.84 ft (1000, 2000 or 3000 mm).

Power supply unit

With 96W power supply units for a few or many luminaires are available as recessed and surface-mounted variants.
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.

Do you have a current project that you’d like to talk about? Arrange an appointment with us here.

www.erco.com/contact
Minirail 48V track Overview of features

1 Aluminum profile
   - White (RAL9002), black or silver
   - Powder-coated or anodized

2 Contacts
   - 2 insulated copper conductors, 4.15mm²
   - 1 circuit: max. 2A

Variants on request
   - 10,000 further colors
   Please contact your ERCO consultant

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

Compact profile
The small dimensions of the track profile of <1” is highly discreet, thus directing the focus on the light. Compact profiles are particularly advantageous in small rooms.

Recessed
Two options are available for flush mounting in the ceiling or wall: a plaster trim profile for the track as an accessory and a set for individually mounting 48V luminaires.

Surface-mounted
Track can be easily mounted to ceilings, walls and furniture as a surface-mounted option.

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Surface-mounted
Track can be easily mounted to ceilings, walls and furniture as a surface-mounted option.

Suspensions
Track can be simply suspended from the ceiling. Wire suspensions are ideal for sloping ceilings and pendant tubes are suitable for high loads.

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

Simple installation
ERCO makes a decisive contribution to minimising costs and time on the construction site thanks to quick and easy installation sequences, for example with use of plug connections.

Connectivity
Modern wireless technologies such as Casambi Bluetooth and Zigbee make light control easy. Gateways and bridges enable control via 0-10V or DALI.

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

Simple installation
ERCO makes a decisive contribution to minimising costs and time on the construction site thanks to quick and easy installation sequences, for example with use of plug connections.

Connectivity
Modern wireless technologies such as Casambi Bluetooth and Zigbee make light control easy. Gateways and bridges enable control via 0-10V or DALI.

Surface-mounted
Track can be easily mounted to ceilings, walls and furniture as a surface-mounted option.

Recessed
Two options are available for flush mounting in the ceiling or wall: a plaster trim profile for the track as an accessory and a set for individually mounting 48V luminaires.

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ERCO Minirail 48V track

Construction size:
- 3.28ft
- 6.56ft
- 9.84ft

Color (housing):
- White
- Silver
- Black

10,000 colors *

ERCO Minirail 48V singlets

Construction size:
- 2 3/4" (72mm)

Color (housing):
- White
- Black

10,000 colors *

Accessories:
- Connectors
- Suspension equipment
- Power supply unit
- Plaster trim profile
- Mounting components
- Bridges/Gateways *

* available on request
The future of controls
ERCO Casambi Bluetooth

Switch and dim luminaires individually, set up light scenes, integrate sensors. This is made possible by Casambi Bluetooth wireless control. ERCO offers Casambi Bluetooth directly integrated in the luminaires and as a separate module. You want to use Bluetooth-capable luminaires but already have an existing connectivity system? Suitable bridges and gateways, for example for 0-10V and DALI, ensure full compatibility.

Remote access
ERCO luminaires with Casambi Bluetooth allow users to control devices remotely, while still remaining highly secure, with password access.

A robust mesh network
ERCO Bluetooth low energy provides a mesh network where all the intelligence of the system is replicated in every node and, in such a way, creates a system with no single points of failure.

Scalability with Site
With Bluetooth technology, you can manage larger installations. The feature allows you to control multiple networks simultaneously, create site-wide scenes and site-wide timers.

Simple integration
ERCO offers three options for Bluetooth-enabled luminaires: as Add-on control unit, integrated into the fixture or as an accessory, which would allow for updating new or pre-existing fixtures with a module.

Add-on control unit
By changing the add-on control unit on Eclipse, a switchable luminaire can be upgraded into a Bluetooth-capable luminaire if new requirements are placed on the lighting concept.

Integrated
Optic and Lightboard have a Bluetooth chip integrated directly into the fixture.

Module
With the option of separate Casambi modules as accessories, this allows for any luminaire to be operated by Bluetooth.

Control via Casambi App
Control via 0-10V bridge
Control via DALI gateway
Control via DMX bridge

Luminaires can be controlled individually and in groups without any additional hardware.

Luminaires can be controlled in groups. One group per bridge.

Control up to 64 individual luminaires or up to 249 via DALI broadcast. Luminaires can be controlled in groups. One group per bridge.

Casambi bridge
Connect your Casambi controlled luminaires to your existing 0-10V system by using a bridge. Available on request.

DALI gateway to Casambi
Connect your Casambi-controlled luminaires to your existing DALI system using a gateway. Available on request.

DMX bridge to Casambi
Connect your Casambi controlled luminaires to your existing DMX system using a bridge. Available on request.

Wireless switches
While light switches aren’t required, they can be easily added if desired, with either traditional wall-mounted switches or portable wireless options.

Daylight sensor
ERCO luminaires with Casambi Bluetooth allow dimming of luminaires when daylight is available, to achieve maximum lighting quality and reduced energy consumption. Available as standalone or integrated.

Motion sensor
Motion sensors save energy as lighting is only on when it is actually needed.
ERCO individual

Lighting tools to suit your requirements

- Additional spectra and light colors for outdoors such as 2700K CRI 92, 3000K CRI 97, 3500K CRI 92 or 4000K CRI 92
- Alternative LEDs, for instance Chip-on-Board LEDs with ERCO developed photometrics
- Over 10,000 additional housing colors in RAL and NCS color systems and individual adaptation to color samples
- Individual mounting solutions, such as other track adapters or individual clamps, holders and installation solutions
- Plug systems pre-assembled for quick wiring
- Extended control possibilities, such as Lutron, DMX or 0–10V
- Project-related new development

Are you looking for a particular lighting tool that you cannot find in the current range? We offer you extensive options for individualizing standard products in the form of "ERCO individual", as well as providing support for the development of sophisticated luminaires.

Optec framing projector
High-powered framing projector for fascinating effects – now with 18W

Skim Downlight for track
Downlight as flexible as spotlights for modern work offices

Stella
High-output, efficient and precise tools for accent lighting

Atrium downlights
Downlights and wallwashers in sizes 8 and 10 for high rooms

Atrium Double focus pendant
Sophisticated light for high rooms with optional uplight

Pantrac wall mount
A ceiling washlight for beautiful uniform uplighting

Stella
High-output, efficient and precise tools for accent lighting

Gimbal recessed spotlight
Recessed spotlight with high-precision swivel mechanism

Atrium downlights
Downlights and wallwashers in sizes 8 and 10 for high rooms

Take advantage of special products we have realized

Are you looking for a particular lighting tool that you cannot find in the current range? We offer you extensive options for individualizing standard products in the form of "ERCO individual", as well as providing support for the development of sophisticated luminaires.

Take advantage of special products we have realized

Do you have any further requirements? Simply contact us!
www.erco.com/individual/en_us
### Track and light structures

#### 48V track

**ERCO Minirail 48V track and singlets**
- Miniaturized track profile
- Recessed, surface-mounted or pendant mounting possible
- 48V infrastructure for 120V and 277V environment
- Culture

### Luminares for track

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

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

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

**Parscan**
- Compact luminaire dimensions
- Contour spotlights and zoom spotlights available
- Tiltable through 270°
- Culture, Shop

### 120V 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
- Suspension spacing of up to 12ft
- Based on the proven ERCO track
- Culture, Community, Work

### Spotlights, floodlights and wallwashers for 120V track

**Eclipse**
- Ideal for narrow ceiling channels
- Extensive accessories
- Contour spotlights and zoom spotlights available
- Culture, Community

**Oseris**
- Ideal for narrow ceiling channels
- Contour spotlights and 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

**Optec**
- Compact luminaire dimensions
- Contour spotlights and zoom spotlights available
- Tiltable through 270°
- Shop, Culture
In indoors lighting, we find a variety of product offerings, each designed to meet specific needs:

**Luminaires for track**

<table>
<thead>
<tr>
<th>Light Board</th>
<th>Spotlights, floodlights and wallwashers for 120V track</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cantax</td>
<td>Elegant design due to integrated control gear</td>
</tr>
<tr>
<td></td>
<td>Suitable for singlets</td>
</tr>
<tr>
<td></td>
<td>Culture, Shop</td>
</tr>
<tr>
<td>Pantrac</td>
<td>Extremely uniform wallwashing</td>
</tr>
<tr>
<td></td>
<td>Large luminaire spacing</td>
</tr>
<tr>
<td></td>
<td>Simple handling</td>
</tr>
<tr>
<td></td>
<td>Culture, Community</td>
</tr>
</tbody>
</table>

**Recessed spotlights and recessed floodlights**

<table>
<thead>
<tr>
<th>Quintessence round</th>
<th>Recessed spotlights and recessed floodlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tiltable through 40°</td>
<td>For light distributions</td>
</tr>
<tr>
<td>Available with recessed luminaire head</td>
<td>Shop, Culture</td>
</tr>
</tbody>
</table>

**Pantrac**

- For office workstation lighting as of UGR<16
- Slidable downlights for flexible office lighting
- Extremely high visual comfort
- Work, Community

**Compar**

- For office workstation lighting as of UGR<16
- Suitable downlights for flexible office lighting
- Four light distributions
- Work, Community

Rudy City, San Antonio
Lighting design: Tillotson Design Associates, New York
Photography: Timothy Schenk, New York
Recessed luminaires

Quintessence round
- Downlights, wallwashers and directional luminaires
- Very high visual comfort due to low brightness technology
- Community, Work

Quintessence square
- Downlights, wallwashers and directional luminaires
- Very high visual comfort due to low brightness technology
- Community, Work

Quintessence Pinhole
- Directional spotlight tiltable through 30°
- Almost invisible light source
- Precise accenting
- Shop

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

Compar linear
- Downlights and wallwashers with extremely narrow ceiling detail
- For office workstation lighting as of UGR < 16
- Four light distributions
- Community, Contemplation

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

Surface-mounted luminaires

Surface-mounted downlights

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

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

Pendant luminaires

Pendant downlights

Atrium double focus
- Indirect lighting available
- Ideal for high and very high rooms
- Very high visual comfort
- Community, Contemplation
Recessed floor luminaires

Grazing light wallwashers and directional luminaires

Nadir IP67 round
Impressive grazing light
Suitable for wet location (IP67)
Discreet stainless steel framing
Hospitality, Community

Nadir IP67 square
Impressive grazing light
Suitable for wet location (IP67)
Discreet stainless steel framing
Hospitality, Community

Indoors

Grazing light wallwashers and directional luminaires

Projectors, floodlights and wallwashers

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

Gecko
Small luminaire dimensions
High visual comfort
Dual flood freely rotatable
Hospitality, Culture

Beamer
Very high visual comfort
Public, Community, Contemplation

Outdoors

Projectors, floodlights and wallwashers

Kona
High visual comfort
Five sizes
Community, Public, Culture

Grasshopper
Small luminaire dimensions
Hospitality, Culture

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

Wallwashers and ceiling-washers

Kasmin Gallery, New York.
Architecture: studioMDA, New York.
Photography: Roland Halbe, Stuttgart.
### Outdoors

#### Facade luminaires

<table>
<thead>
<tr>
<th>Lightmark</th>
<th>Ceiling washlighting</th>
<th>Wide and deep beam light distributions available</th>
<th>High visual comfort</th>
<th>Hospitality, Public</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinder</td>
<td>Floor and facade lighting available</td>
<td>Wide and deep beam light distributions available</td>
<td>High visual comfort</td>
<td>Hospitality, Work</td>
</tr>
<tr>
<td>Focalflood</td>
<td></td>
<td>Wide and deep beam light distributions available</td>
<td>Impressive grazing light</td>
<td>Hospitality, Culture</td>
</tr>
</tbody>
</table>

#### Castor

| Available with 180° or 360° light distribution | 100% Dark Sky compliant | Four sizes | Grazing light along the luminaire |

#### Midipoll

| 100% Dark Sky compliant | Four sizes | Grazing light along the luminaire |

#### Kubus

| 100% Dark Sky compliant | Four sizes | Grazing light along the luminaire |

### Bollard luminaires

#### Floor washlights

| 8W/840lm – 24W/3300lm | 3W/345lm – 6W/825lm | 6W/630lm – 6W/825lm | 20W/2100lm – 20W/2750lm | 6W/630lm – 18W/2475lm |

#### Castor

| Available with 180° or 360° light distribution | 100% Dark Sky compliant | Four sizes | Grazing light along the luminaire |

#### Midipoll

| 100% Dark Sky compliant | Four sizes | Grazing light along the luminaire |

#### Kubus

| 100% Dark Sky compliant | Four sizes | Grazing light along the luminaire |

#### Lightmark

| Wide and deep beam light distributions available | Light emission opening to the front |
Quickly find the right luminaire—the Product Finder at erco.com

- Simple search via features
- Numerous professional filters
- Clear results list
- Save and share results in myERCO

Try the Product Finder now

www.erco.com/en_us
Light is the fourth dimension of architecture