



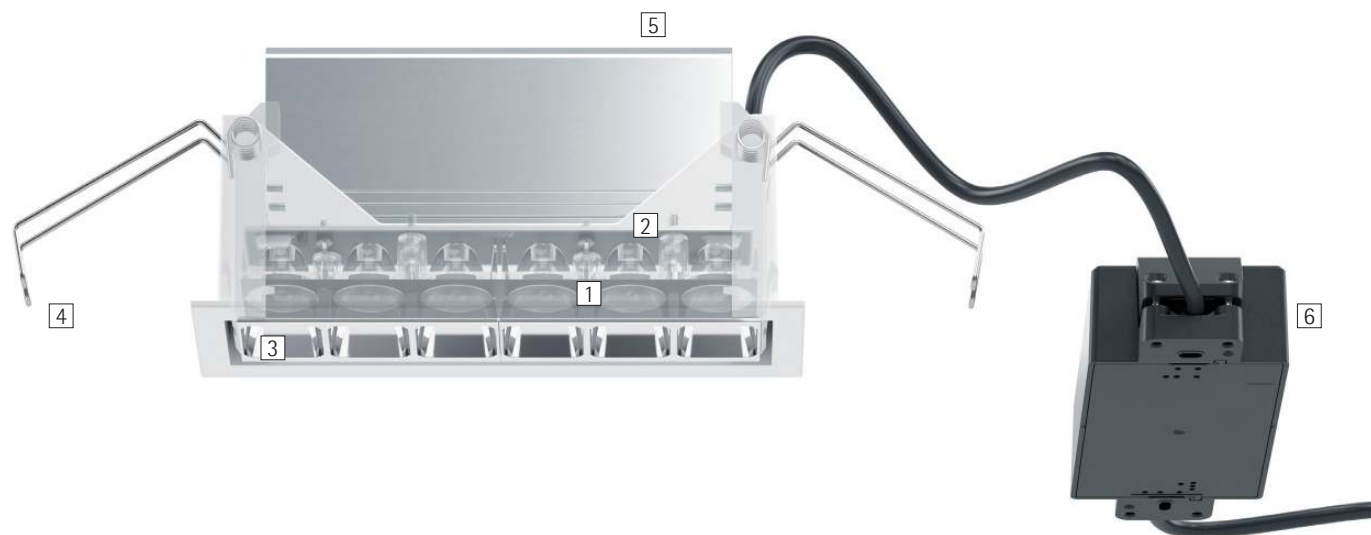
Compar linear – Powerhouse for linear aesthetics

Differentiated light from the ceiling in an innovative design

The recessed downlights with a concise and linear housing shape, available from widths of 52mm, set accents in the ceiling design and simultaneously function as highly efficient lighting tools with high levels of visual comfort. The wide spectrum of distribution options for nuanced general and office lighting convinces in any high-quality architecture. Compar is an attractive alternative to lighting with conventional linear luminaires. With Compar, ceiling-integrated lighting concepts can be realised in

restaurants as well as administrative, cultural and office buildings.

Compar linear Recessed 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: 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)

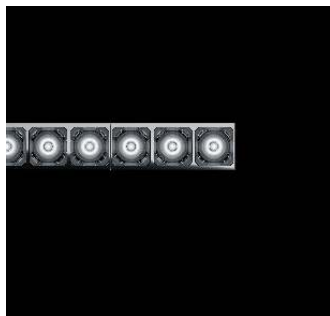
Variants on request

- 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
- Please contact your ERCO consultant.



Design and application:
www.erco.com/compar-linear

Compar linear Recessed luminaires



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.







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 |
|  | 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 |

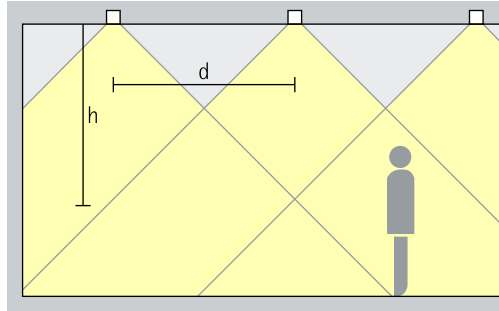
| | |
|---|------------------------------|
|  | Excellent thermal management |
|  | EMC-optimised |
|  | Various construction sizes |
|  | Tool-free mounting |

| | |
|---|-------------------|
|  | Switchable |
|  | Phase dimmable |
|  | DALI dimmable |
|  | Casambi Bluetooth |

Compar linear Recessed luminaires – Luminaire arrangement

Downlights

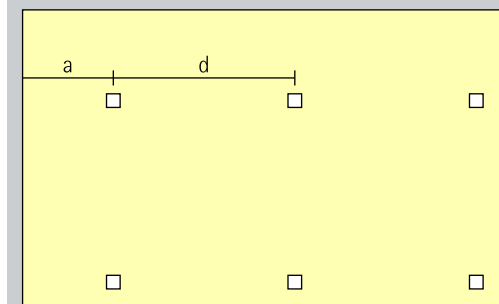
Spot, Flood, Wide flood, Extra wide flood



General lighting

For optimum general lighting, the luminaire spacing (d) between two Compar downlights may, as a rough guide, be up to 1.5 times the height (h) of the luminaire above the working plane.

Arrangement: $d \leq 1.5 \times h$

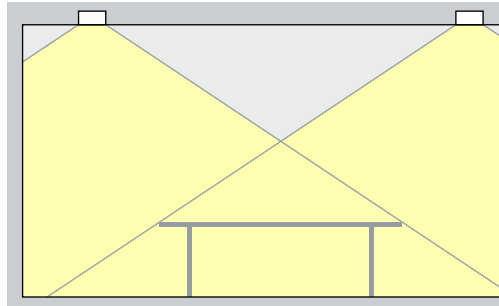


The wall offset should be half the luminaire spacing.

Arrangement: $a = d / 2$

Downlights oval wide flood

Oval wide flood



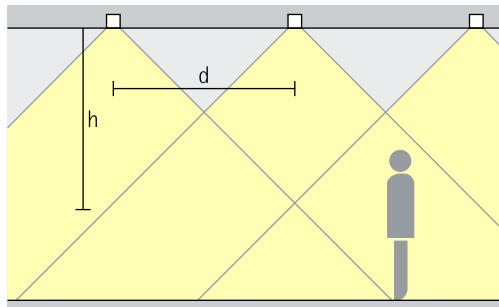
General lighting

For efficient workplace illumination in the office, with optimal uniformity and good facial recognition, the luminaire spacing (d) of Compar downlights with oval wide flood distribution (d) may be up to 1.5 times the height (h) of the luminaire above the working plane.

Arrangement: $d \leq 1.5 \times h$

Downlights oval flood

Oval flood

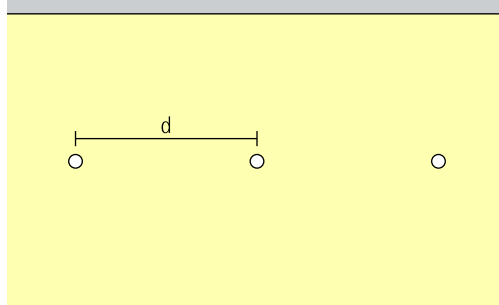


Linear lighting

As a rough guide for uniform illumination, the luminaire spacing (d) between two Compar downlights installed in a row may be up to 1.5 times the height (h) of the luminaire above the working plane.

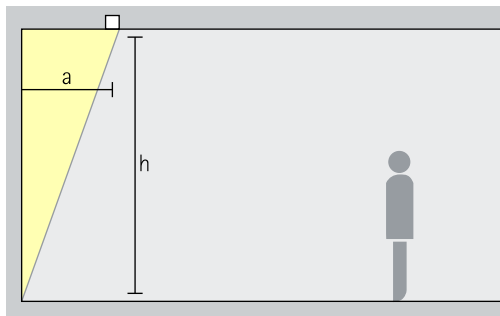
Arrangement: $d \leq 1.5 \times h$

Application area: Hallways and corridors as well as above tables.



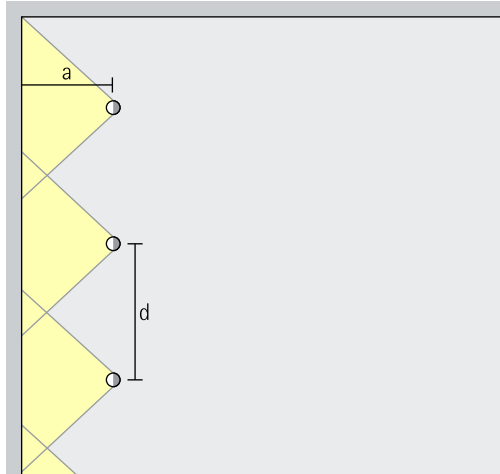
Compar linear Recessed luminaires – Luminaire arrangement

Lens wallwashers
Wallwash



Wallwashing
For uniform vertical illuminance, the distance (a) of Compar lens wallwashers from the wall should be around one third of the wall height (h).

Arrangement: $a = 1/3 \times h$



For good longitudinal uniformity, the spacing (d) of Compar lens wallwashers may be up to 1.3 times the offset from the wall (a).

Arrangement: $d \leq 1.3 \times a$

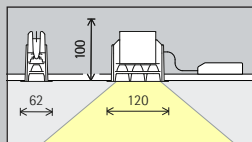
Optimal wall offset and luminaire spacing values are indicated in the wallwasher tables on the product data sheets.

175 Eagle Street, Brisbane. Architecture: Cox Architecture, Brisbane. Lighting design: Cox Architecture, Brisbane. Photography: Jackie Chan, Sydney.

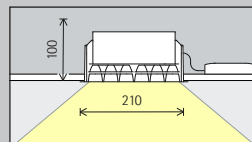


Compar linear Recessed luminaires

Construction size



120mm



210mm

LED module
Maximum value
at 4000K CRI 82

| |
|------------|
| 6W/825lm |
| 10W/1230lm |

| |
|------------|
| 12W/1650lm |
| 19W/2460lm |

Light colour

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

| | | | |
|--|--------------|--|--------------|
| | 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 |
|------------------|----------------------------|
| Spot | Oval wide flood |
| Flood | Downlights oval flood |
| Wide flood | Oval flood |
| Extra wide flood | Lens wallwashers |
| | Wallwash |

| Downlights | Downlights oval wide flood |
|------------------|----------------------------|
| Spot | Oval wide flood |
| Flood | Downlights oval flood |
| Wide flood | Oval flood |
| Extra wide flood | Lens wallwashers |
| | Wallwash |

Control

| | | | |
|--|----------------|--|-------------------|
| | Switchable | | DALI |
| | Phase dimmable | | Casambi Bluetooth |

| | | | |
|--|----------------|--|-------------------|
| | Switchable | | DALI |
| | Phase dimmable | | Casambi Bluetooth |

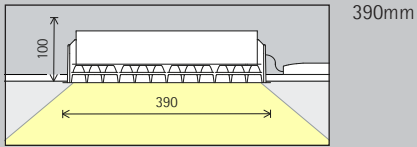
Colour (louvre)

| | |
|--|--------|
| | Silver |
| | Black |

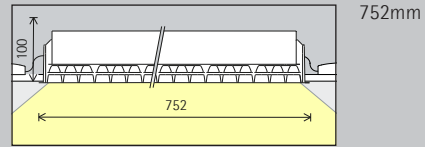
| | |
|--|--------|
| | Silver |
| | Black |

Accessories

| | | | |
|--|-------------------------------------|--|-----------------------------|
| | Mounting frame | | Suspension for control gear |
| | Mounting frame for ceiling channels | | |



390mm



752mm

| |
|------------|
| 24W/3300lm |
| 38W/4920lm |

| |
|------------|
| 48W/6600lm |
| 76W/9840lm |

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

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

| Downlights | Downlights oval wide flood |
|------------------|----------------------------|
| Spot | Oval wide flood |
| Flood | Downlights oval flood |
| Wide flood | Oval flood |
| Extra wide flood | Lens wallwashers |
| | Wallwash |

| Downlights | Downlights oval flood |
|------------------|----------------------------|
| Spot | Oval flood |
| Flood | Downlights oval wide flood |
| Wide flood | Oval wide flood |
| Extra wide flood | |

| | | | |
|--|----------------|--|-------------------|
| | Switchable | | DALI |
| | Phase dimmable | | Casambi Bluetooth |

| | | | |
|--|----------------|--|------|
| | Switchable | | DALI |
| | Phase dimmable | | |

| | |
|--|--------|
| | Silver |
| | Black |

| | |
|--|--------|
| | Silver |
| | Black |

* available on request

Article numbers and planning data:
www.erco.com/016057

Design and application:
www.erco.com/compar-linear



