



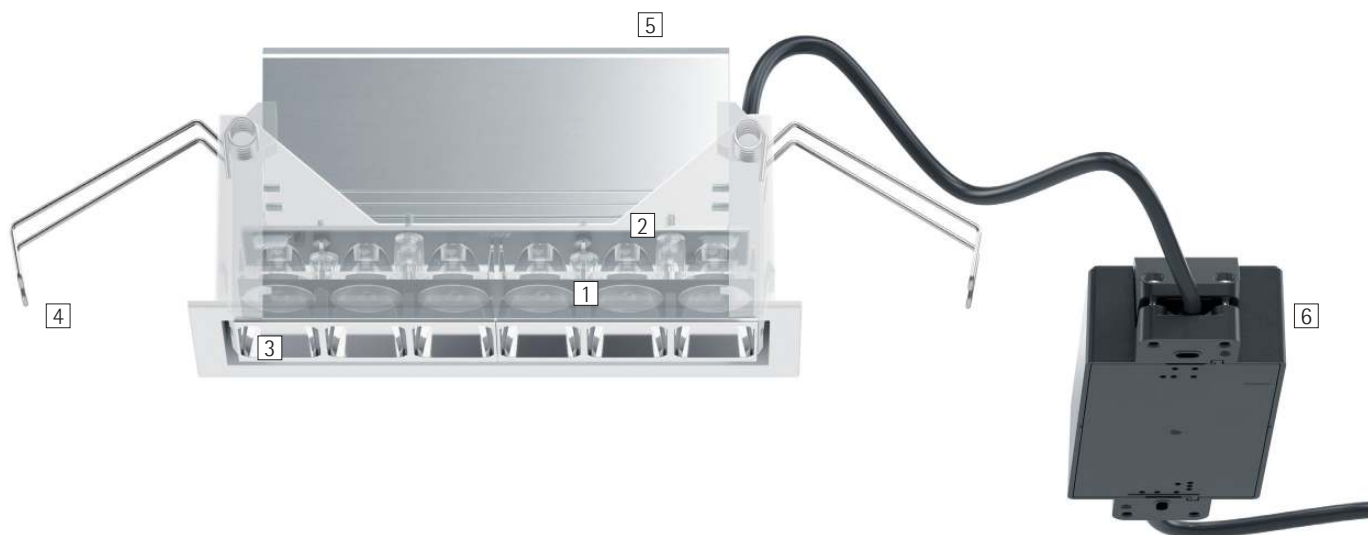
Compar linear – Powerhouse for linear aesthetics

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. Tunable white enables flexible control of colour temperature – ideal for Human Centric Lighting in modern work and cultural spaces.

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 LEDs or Chip-on-board LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K) or tunable white (2700-6500K)

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

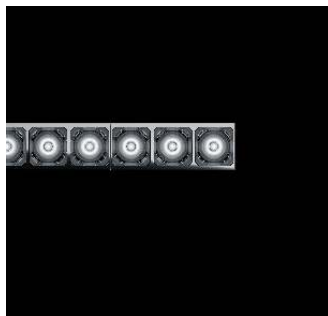
- Anti-dazzle louvre: coated gold, matt silver or champagne
- Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
- Mounting frame: 10,000 further colours

Please contact your ERCO consultant.



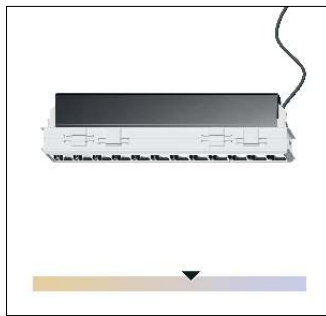
Design and application:
www.erco.com/compar-linear

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.



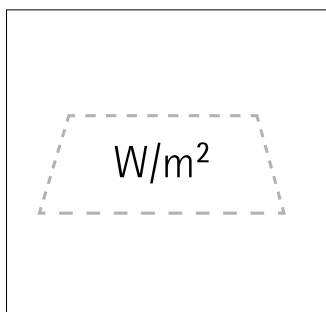
Tunable white technology

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.



Efficient ambient lighting

Compar enables efficient ambient lighting with a low power density of 0.59W/m² at 100lx – reducing connected load and lowering energy costs.



Particularly efficient: up to 156lm/W

Reduce energy consumption, increase efficiency: Compar is the ideal solution for linear lighting concepts in offices, educational establishments and public buildings with special design requirements.

Special characteristics

	Excellent visual comfort
	Tunable white
UGR	Suitable for office workstations
W/m²	W/m²
	>130lm/W



ERCO High-power LEDs /
ERCO Chip-on-Board LEDs



Efficient lens system



Cut-off 30°/70°



Different light colours



Excellent thermal management



EMC-optimised



Various construction sizes



Flush or covered mounting
detail



Shallow recess depth



Tool-free mounting



Switchable



Phase dimmable



DALI dimmable

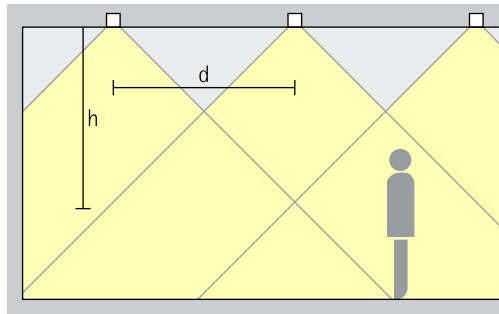


Casambi Bluetooth

Compar linear Recessed luminaires – Luminaire arrangement

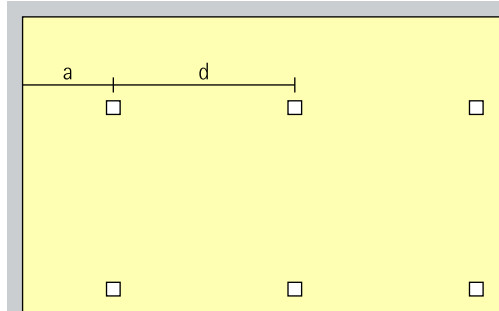
Downlights

Spot, Flood, Wide flood, Extra wide flood



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: $d \leq 1.5 \times h$

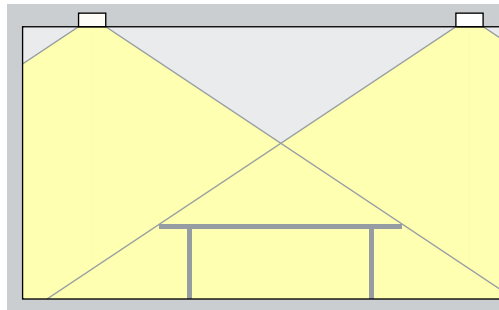


The wall offset should be half the luminaire spacing.

Arrangement: $a = d / 2$

Downlights oval wide flood

Oval wide flood

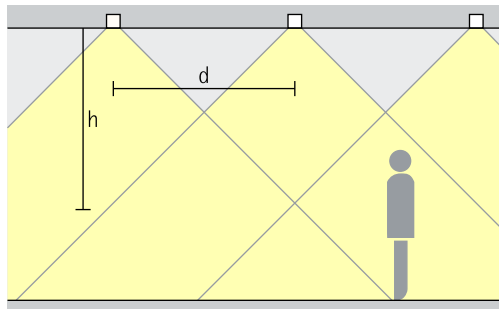


For efficient workplace illumination in the office, with optimal uniformity and good facial recognition, the luminaire spacing (d) of Compar downlights with oval wide flood distribution (d) may be up to 1.5 times the height (h) of the luminaire above the working plane.

Arrangement: $d \leq 1.5 \times h$

Downlights oval flood

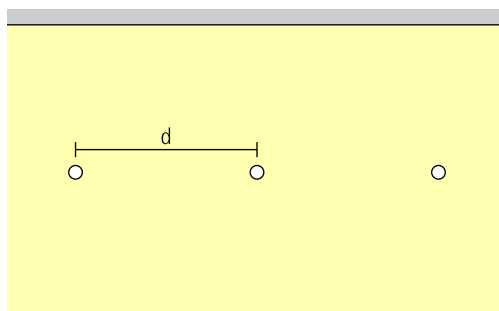
Oval flood



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.

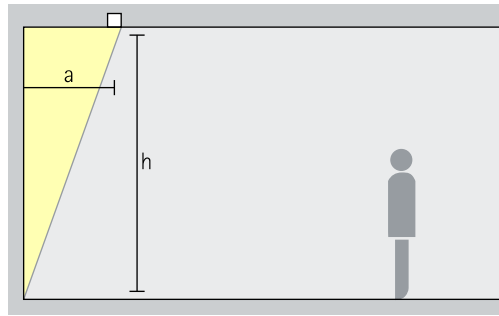
Arrangement: $d \leq 1.5 \times h$

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



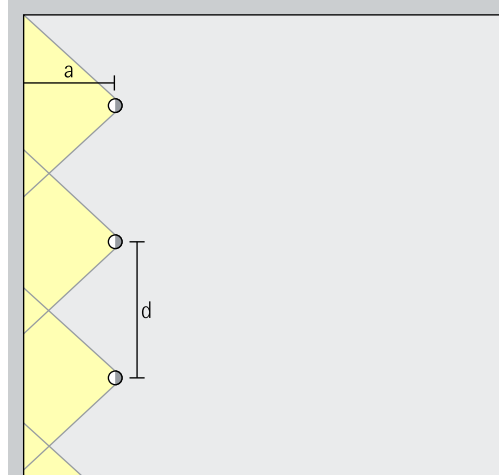
Compar linear Recessed luminaires – Luminaire arrangement

Lens wallwashers Wallwash



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: $a = 1/3 \times h$

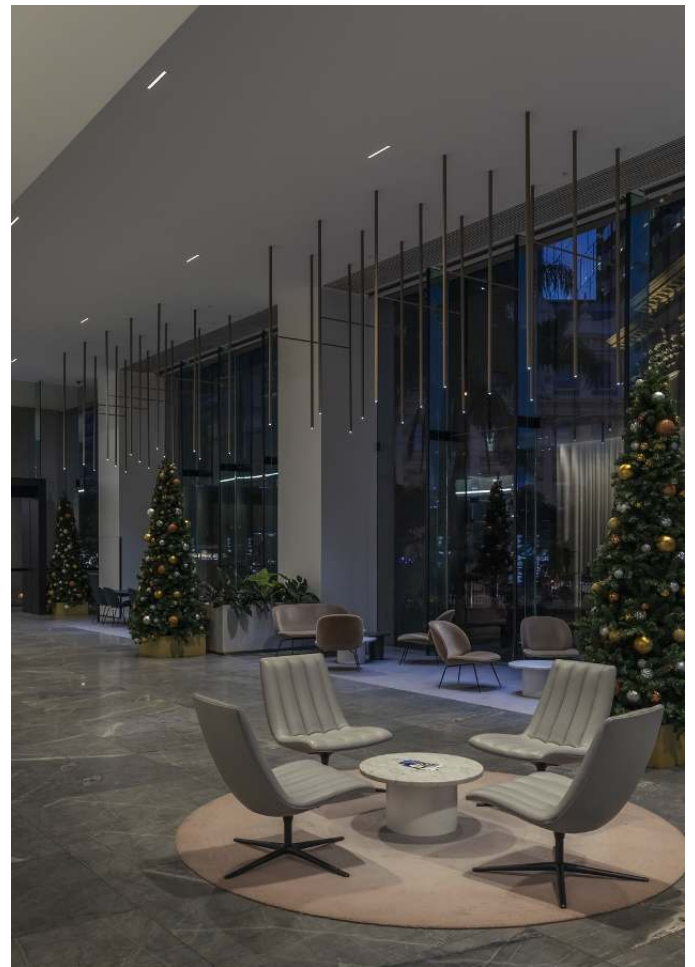


For good longitudinal uniformity, the spacing (d) of Compar lens wallwashers may be up to 1.3 times the offset from the wall (a).

Arrangement: $d \leq 1.3 \times a$

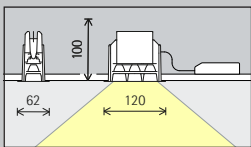
Optimal wall offset and luminaire spacing values are indicated in the wallwasher tables on the product data sheets.

175 Eagle Street,
Brisbane. Archi-
tecture: Cox
Architecture,
Brisbane. Light-
ing design: Cox
Architecture,
Brisbane. Photo-
graphy: Jackie
Chan, Sydney.

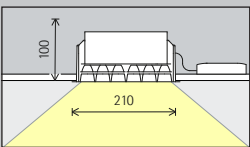


Compar linear Recessed luminaires

Construction size



120mm



210mm

LED module
Maximum value
at 4000K CRI 92

6.1W/862lm
9.3W/1213lm

12.1W/1723lm
18.6W/2426lm

Light colour

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

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

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

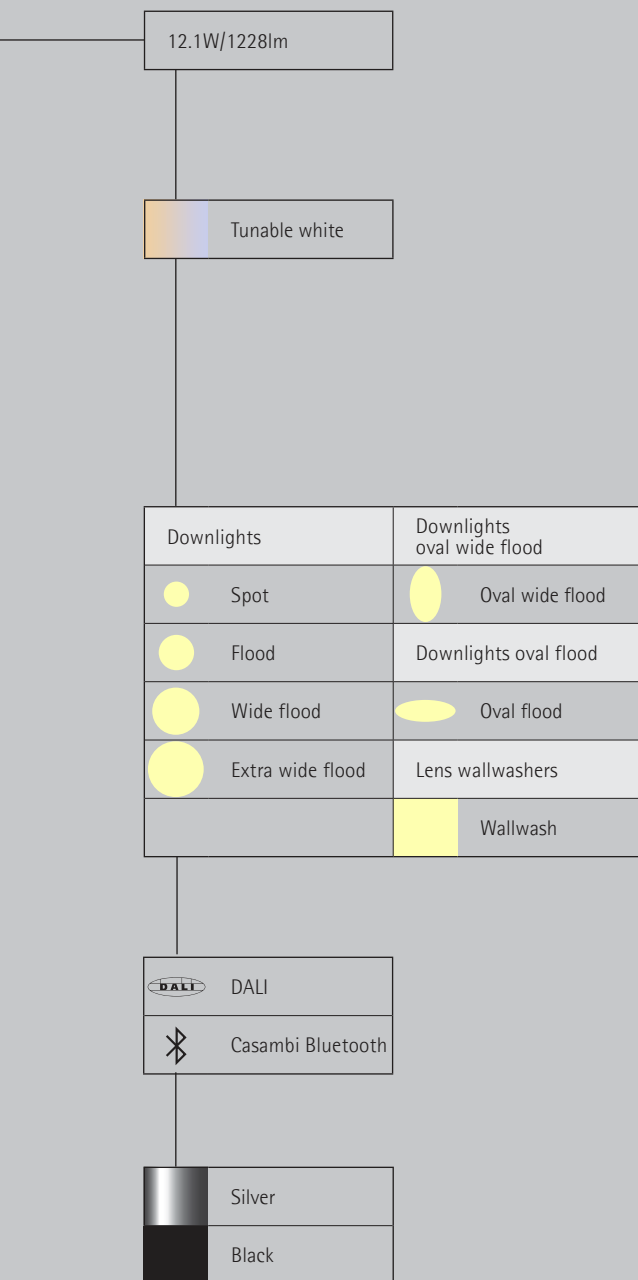
Colour (louvre)

	Silver
	Black

	Silver
	Black

Accessories

	Mounting frame		Suspension for control gear
	Mounting frame for ceiling channels		



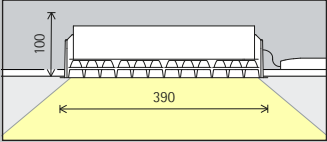
* available on request

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Compar linear Recessed luminaires

Construction size



390mm

LED module

Maximum value at 4000K CRI 92

24.3W/3446lm
37.3W/4853lm

Light colour

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

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

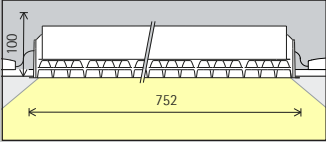
Control

 Switchable	 DALI
 Phase dimmable	 Casambi Bluetooth

Colour (louvre)

	Silver
	Black

Construction size



752mm

LED module

Maximum value at 4000K CRI 92

48.5W/6893lm
74.6W/9706lm

Light colour

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

Light distribution

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

Control

 Switchable	 DALI
 Phase dimmable	

Colour (louvre)

	Silver
	Black

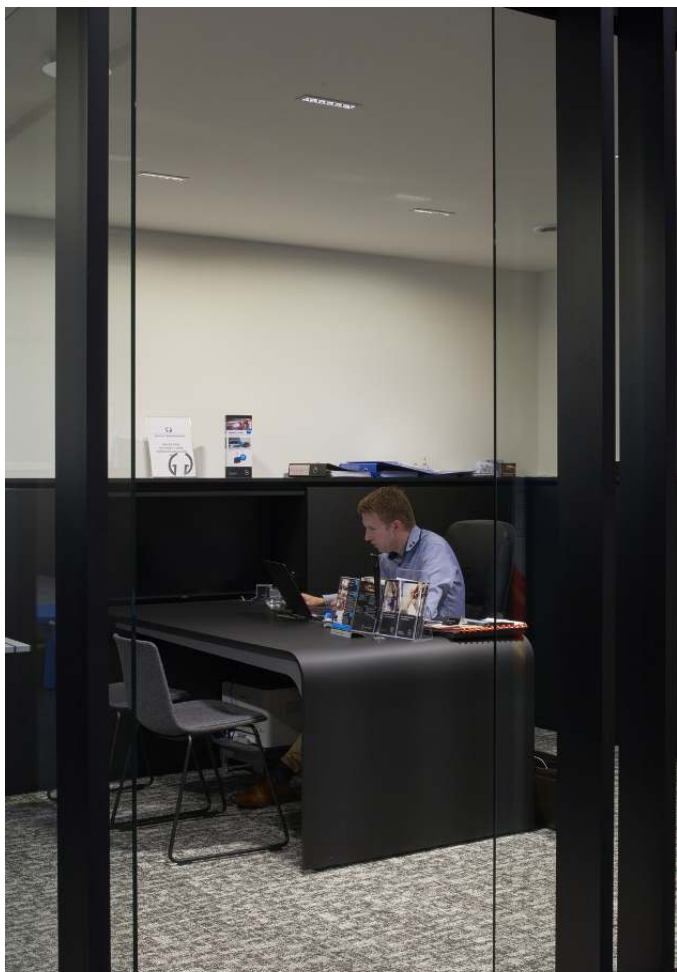
Accessories

	Mounting frame		Suspension for control gear
	Mounting frame for ceiling channels		

* available on request

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Mercedes
Ghistelinck,
Kortrijk. Architec-
ture: Goedefroo &
Goedefroo, Wiels-
beke. Lighting
design: Vensol
/ Goedefroo &
Goedefroo. Pho-
tography: Thomas
Mayer, Neuss.

Arup, Sydney.
Lighting design:
Arup. Photography:
Jackie Chan,
Sydney.





Faerber Architekten, Mainz.
Architecture: Faerber Architekten GbR, Mainz. Photography: Lukas Palik, Düsseldorf.