



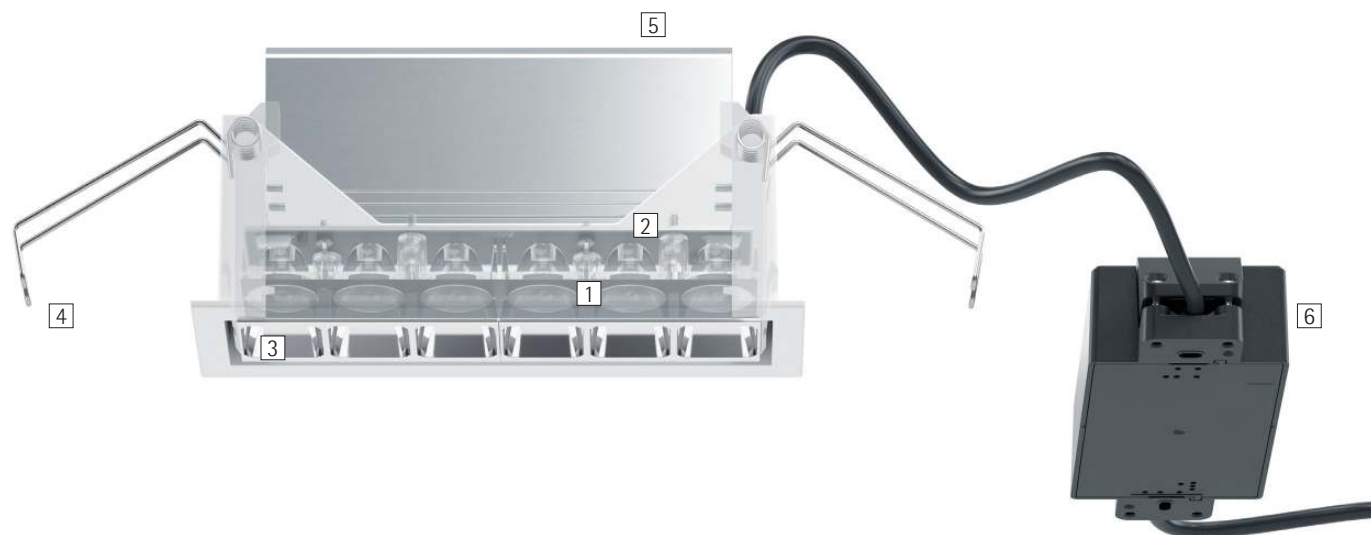
Compar linear – Powerhouse for linear aesthetics

Differentiated light from the ceiling in an innovative design

The recessed downlights with a concise and linear housing shape, available from widths of 2" (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 realized 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 vaporized, specular
- Softec lens

2 ERCO LED module

- High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)

3 Louvre

- Polymer, black lacquered or aluminum vaporized, silver, specular
- Downlight: cut-off angle 30° from horizontal
- Wallwasher: cut-off angle 70° from horizontal

4 Mounting frame

- Covered mounting detail
- Mounting for ceiling thicknesses to max. 1" / 25mm
- Polymer, white
- For flush mounting: mounting frame to be ordered separately, fixing for ceiling thicknesses of 1/2" - 1" / 12.5-25mm

5 Housing

- Aluminum profile, designed as heat sink

6 Control gear

- Trailing edge dimmable or 0-10V dimmable

Trailing edge dimmable version:

- Operation at 120V: Dimming with external dimmers possible
- Operation at 277V: switchable

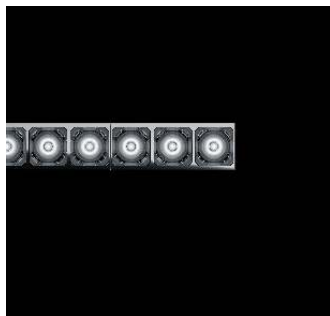
Variants on request

- Anti-glare louvre: coated gold, matt silver or champagne
 - Mounting frame: 10,000 further colors
 - Control: Lutron
- 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 color 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 millimeter 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



Suitable for office workstations



Flush or covered mounting detail



Shallow recess depth



ERCO high-power LEDs



Efficient lens system



Cut-off 30°/70° from horizontal



Different light colors



Excellent thermal management



EMC-optimized



Various construction sizes



Tool-free mounting



Trailing edge dimmable

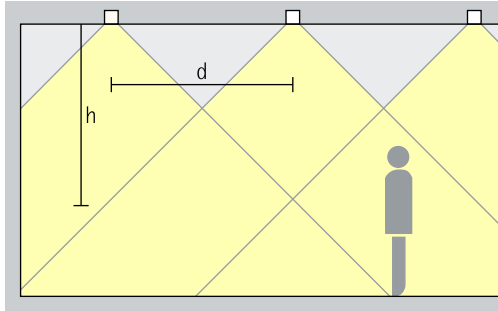


0-10V dimmable

Compar linear Recessed luminaires – Luminaire arrangement

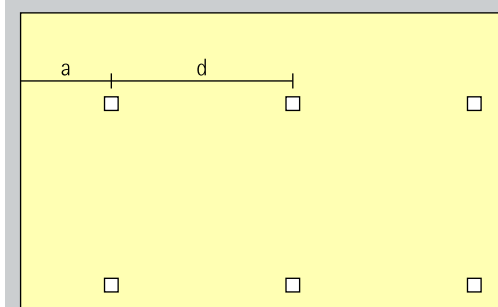
Downlights

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: $d \leq 1.5 \times h$

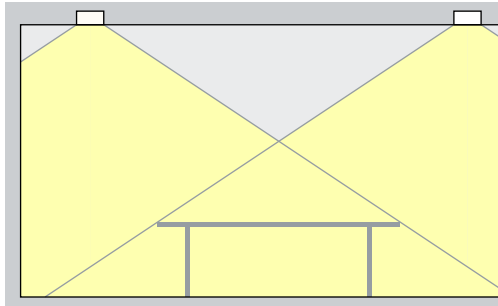


The wall offset should be half the luminaire spacing.

Arrangement: $a = d / 2$

Downlights oval wide flood

Oval wide flood

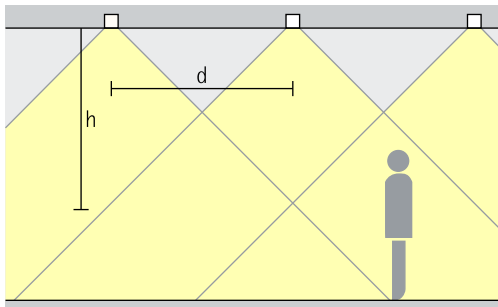


For efficient workplace illumination in the office, with optimal uniformity and good facial recognition, the luminaire spacing (d) of Compar downlights with oval wide flood distribution (d) may be up to 1.5 times the height (h) of the luminaire above the working plane.

Arrangement: $d \leq 1.5 \times h$

Downlights oval flood

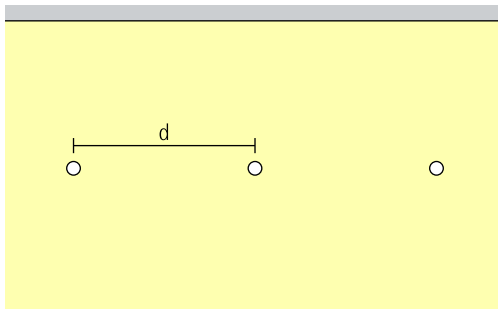
Oval flood



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.

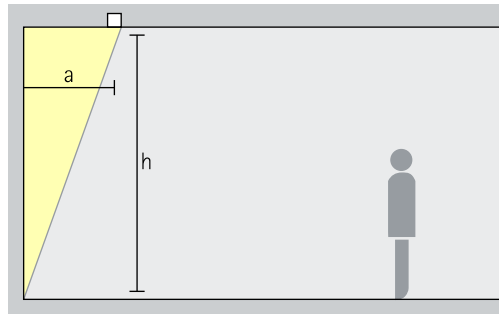
Arrangement: $d \leq 1.5 \times h$

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



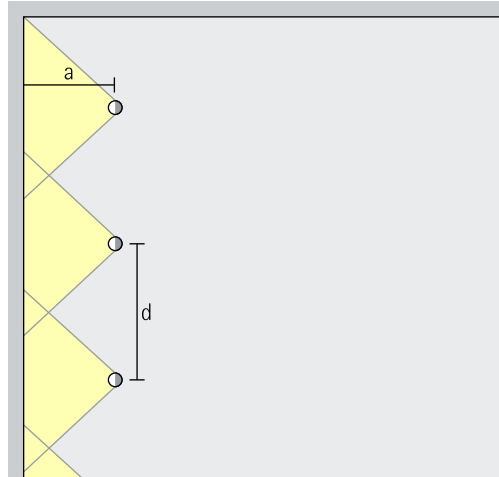
Compar linear Recessed luminaires – Luminaire arrangement

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: $d \leq 1.3 \times a$

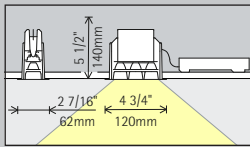
Optimal wall offset and luminaire spacing values are indicated in the wallwasher tables on the product data sheets.

Arup, Sydney.
Lighting design:
Arup. Photogra-
phy: Jackie Chan,
Sydney.

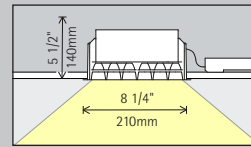


Compar linear Recessed luminaires

Construction size



4 3/4"



8 1/4"

LED module
Maximum value at 4000K CRI 92

6.1W/862lm

12.1W/1723lm

Light color

	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

	Trailing edge dimmable
0-10V	0-10V

	Trailing edge dimmable
0-10V	0-10V

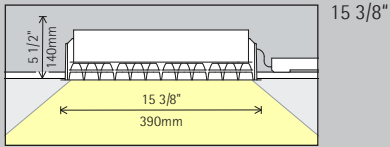
Color (louvre)

	Silver
	Black

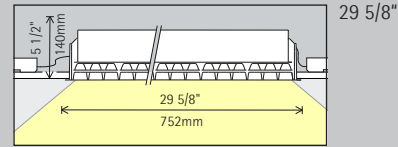
	Silver
	Black

Accessories

	Junction box		Ultra airtight I.C. box
	Flexible metal conduit		Mounting frame
	Plaster frame		



15 3/8"



29 5/8"

24.3W/3446lm

48.5W/6893lm

	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		

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	

	Trailing edge dimmable
0-10V	0-10V

	Trailing edge dimmable
0-10V	0-10V

	Silver
	Black

	Silver
	Black



