



Skim – Lighting design for any architecture

The low-cost recessed luminaire for office and general lighting

Skim combines an attractive appearance with high quality of light and an excellent price-performance ratio. Ideal for offices, foyers and circulation zones as well as in retail, or the hotel industry. Several sizes, wattages and light distributions make Skim an attractive alternative to conventional luminaires. The lens system not only scores with a magical appearance, but also with high efficiency, uniformity and good visual comfort. Depending on the projected light distribution, Skim either

provides particularly economical general lighting with large luminaire spacing or is ideal as standard-compliant task lighting.

Skim 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: wide flood, extra wide flood or oval flood

2 ERCO LED-module

- High-power LEDs, Chip-on-board LEDs or Mid-power LEDs: 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 3) 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)
- Please contact your ERCO consultant.

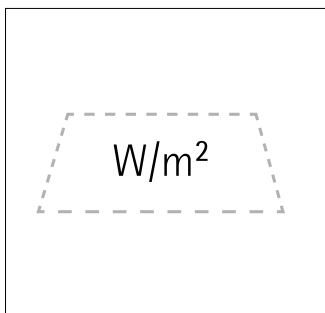


Design and application:
www.erco.com/skim

Skim Recessed luminaires



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
Skim enables efficient ambient lighting with a low power density of 0.55 W/m^2 at 100 lx – reducing connected load and lowering energy costs.



Particularly efficient
A high system luminous efficacy is a prerequisite for funding schemes in many countries. Skim downlights are available with a luminous efficacy of over 100 lm/W .



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.

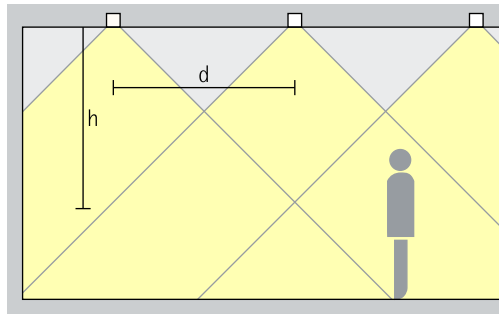
Special characteristics

UGR	Suitable for office workstations		ERCO High-power LEDs / ERCO Chip-on-Board LEDs		Excellent thermal management		Switchable
W/m^2	W/m^2		Efficient lens system		EMC-optimised		Phase dimmable
	$>100 \text{ lm/W}$		Optical cut-off 30°		Various housing colours		DALI dimmable
	Shallow recess depth		Different light colours		Various construction sizes		Casambi Bluetooth
	Tool-free mounting		Very good price performance ratio				

Skim Recessed luminaires – Luminaire arrangement

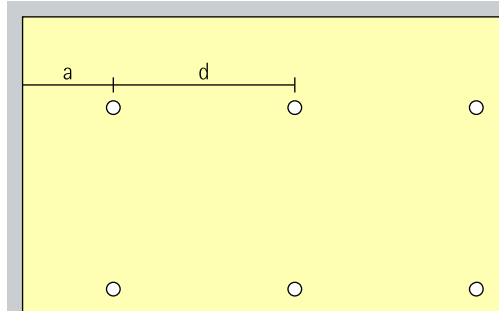
Downlights

Wide flood, Extra wide flood



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

Arrangement: $d \leq 1.5 \times h$

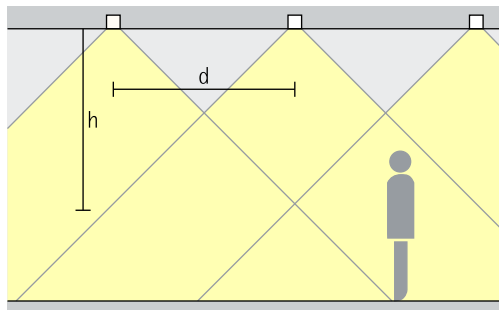


The wall offset should be half the luminaire spacing.

Arrangement: $a = d / 2$

Downlights oval flood

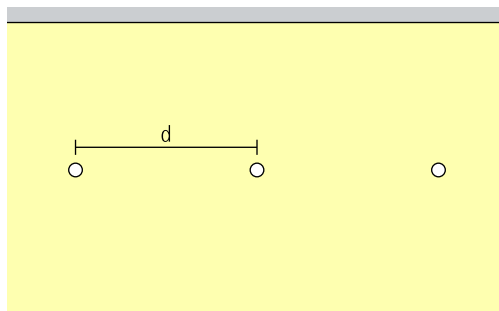
Oval flood



For uniform lighting with luminaires arranged in a line, the spacing (d) between two Skim downlights may be up to approximately 1.5 times the height (h) of the luminaire above the working plane.

Arrangement: $d \leq 1.5 \times h$

Application: halls and corridors as well as above tables.

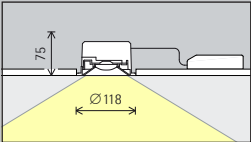


Bec & Bridge,
Melbourne. Archi-
tecture: George
Livissianis. Pho-
tography: Jackie
Chan, Sydney.

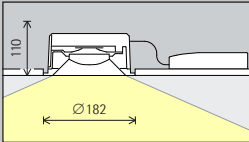


Skim Recessed luminaires

Construction size



Size 3



Size 5

LED module
Maximum value
at 4000K CRI 92

8.1W/1149lm
12.4W/1618lm

18.2W/2585lm
28W/3640lm

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 82		4000K CRI 82
	3000K CRI 92		4000K CRI 92
	3000K CRI 97		

Light
distribution

Downlights	Downlights oval flood
Wide flood	Oval flood
Extra wide flood	

Downlights	Downlights oval flood
Wide flood	Oval flood
Extra wide flood	

Control

	Switchable		DALI
	Phase dimmable		Casambi Bluetooth

	Switchable		DALI
	Phase dimmable		Casambi Bluetooth

Colour
(anti-glare cone)

	White
	Black

	White
	Black

Accessories

	Concrete mounting enclosure		Cover ring
	Compensation set		

www.erco.com/skim





Wholegreen
Bakery, Sydney.
Architecture:
Sarah Johnson /
Lifesize, Sydney.
Photography:
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