



Skim – Lighting design for any architecture

Skim as an independent, flat surface-mounted luminaire

ERCO has developed the Skim surface-mounted luminaire for situations where ceiling architecture does not allow the installation of recessed downlights. The same lens system is used here as for Skim recessed luminaires. With efficiency and visual comfort, diverse light distributions and available in two sizes, the luminaire is suitable for a variety of applications: for example offices, shops and public buildings. Surface-mounted luminaires are the straightforward lighting solution especially in new,

energy-efficient buildings with solid concrete ceilings. Details such as securing the luminaire with snap hooks or optional spacers for surface-mounting make mounting easier.



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)
- Optical cut-off 30°
- Polymer

4 Cylinder

- White (RAL9010)
- Cast aluminium, powder-coated
- Ceiling fixture: metal

5 Control gear

- Switchable, phase dimmable or DALI dimmable
- Phase dimmable version: Dimming with external dimmers possible (trailing edge)

Variants on request

- Housing: 10,000 further colours
- Please contact your ERCO consultant.

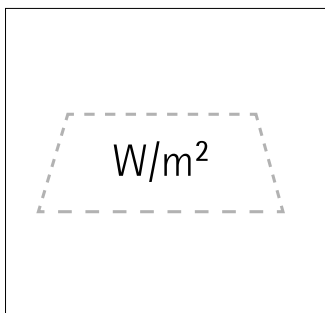


Design and application:
www.erco.com/skim-s

Skim Surface-mounted 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 0.55W/m^2 at 100lx – 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 100lm/W .



Small luminaire dimensions
Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.



Very good price performance ratio
Skim surface-mounted luminaires offer an attractive price/performance ratio – an advantage with planning tasks aiming for cost-effectiveness.

Special characteristics

UGR	Suitable for office workstations
W/m^2	W/m^2
	$>100\text{lm/W}$
	Small luminaire dimensions
	Very good price performance ratio



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



Efficient lens system



Optical cut-off 30°



Different light colours



Excellent thermal management



EMC-optimised



Various construction sizes



Easy installation



Switchable



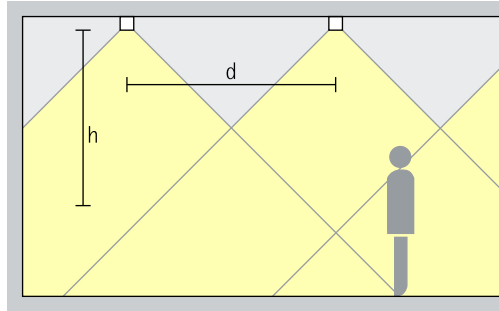
Phase dimmable



DALI dimmable

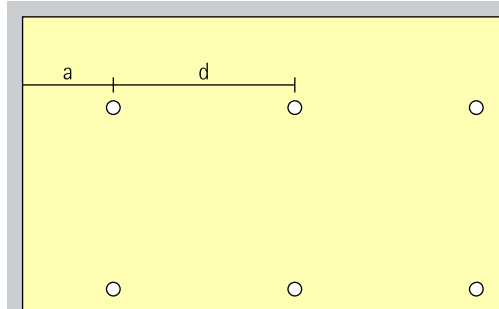
Skim Surface-mounted luminaires – Luminaire arrangement

Surface-mounted downlights Wide flood, Extra wide flood



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

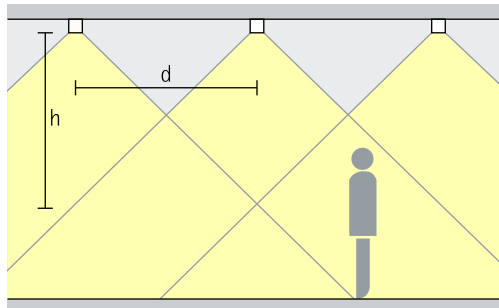
Arrangement: $d \leq 1.5 \times h$



The wall offset should be half the luminaire spacing.

Arrangement: $a = d / 2$

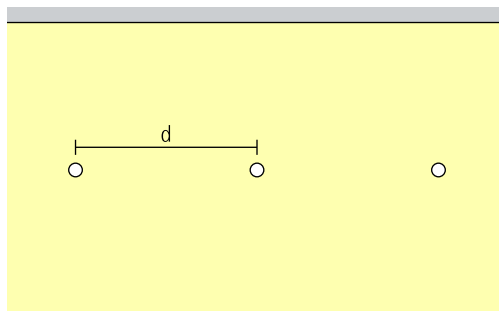
Surface-mounted downlights oval flood Oval flood



As a rough guide for uniform illumination, the luminaire spacing (d) between two Skim surface-mounted 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.

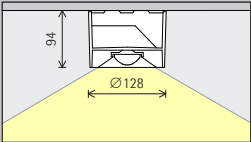


Aurecon, Brisbane. Architecture:
Bates Smart.
Interior design:
Woods Bagot.
Lighting design:
Aurecon. Photography: Jackie
Chan, Sydney.

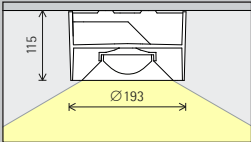


Skim Surface-mounted luminaires

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

Surface-mounted downlights	Surface-mounted downlights oval flood
Wide flood	Oval flood
Extra wide flood	

Surface-mounted downlights	Surface-mounted downlights oval flood
Wide flood	Oval flood
Extra wide flood	

Control

	Switchable
	Phase dimmable
	DALI

	Switchable
	Phase dimmable
	DALI

Colour (housing)

	White
	10,000 colours *

	White
	10,000 colours *

Accessories

	Spacer set
	Suspension equipment

* available on request

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Chan, Sydney.