



Compact – Efficient and economical

Perfect solution for illumination in existing buildings. Compact is the versatile tool

Lighting design based on surface-mounted downlights need not be a workaround. The Compact downlight combines brilliant light with the robustness of outdoor luminaires. Compact as a surface-mounted downlight is the perfect solution for illumination in existing buildings where recessed mounting is not possible.

Extra wide flood and oval flood as different light distributions enable its use in passageways and arcades as well as on the terrace of

a private residence. Compact can just as easily be used for vertical illuminance through wallwashing.

Compact Surface-mounted 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: extra wide flood, oval flood or wallwash

2 ERCO LED-module

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

3 Anti-glare ring with cross baffle

- Optical cut-off 30° from horizontal
- Polymer, aluminum vaporized, silver, ribbed

or

Wallwasher reflector

- Optical cut-off 30° or 40° from horizontal
- Polymer, aluminum vaporized, silver, ribbed, with diffuser on the underside

4 Cylinder and ceiling plate

- Graphit m
- Corrosion-resistant cast aluminum, No-Rinse surface treatment
- Double powder-coated
- Non-reflective safety glass

5 Control gear

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

Suitable for wet locations (IP65)

Dust-proof and water jet-proof

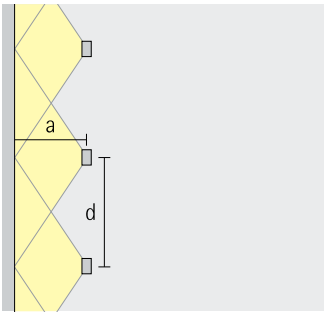
Variants on request

- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
 - Anti-glare ring with cross baffle: coated matt gold, matt silver or matt champagne
 - Housing: 10,000 further colors
- Please contact your ERCO consultant.



Design and application:
www.erco.com/compact-o-s

Compact Surface-mounted luminaires




Wide luminaire spacing with wallwashing


Efficient ERCO photometrics allow certain luminaires to be spaced unusually far apart at up to 1.5 times the distance to wall.

Various construction sizes

The luminaires in the ERCO product range cover a wide variety of lumen categories and therefore offer an appropriate solution for a large number of lighting tasks.

Special characteristics

 Various construction sizes

 Wide luminaire spacing with wallwashing



ERCO high-power LEDs



Efficient lens system



Optical cut-off 30°/40° from horizontal



Different light colors



Excellent thermal management



EMC-optimized



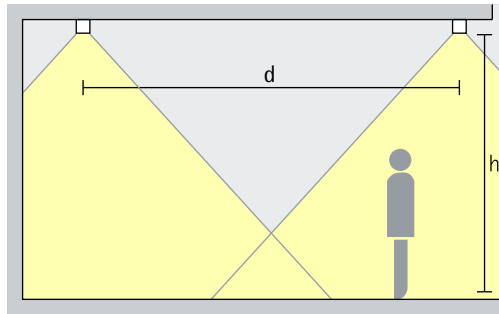
Wet location



Trailing edge dimmable

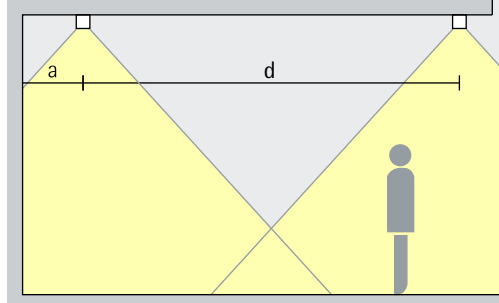
Compact Surface-mounted luminaires – Luminaire arrangement

Surface-mounted downlights Extra wide flood



General lighting
For uniform ambient lighting, the spacing (d) between two Compact surface-mounted downlights may be up to approximately 1.5 times the height (h) of the luminaire above the working plane.

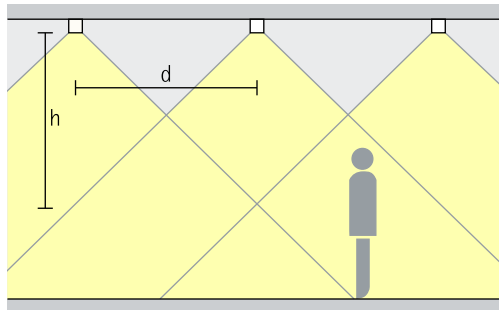
Arrangement: $d \leq 1.5 \times h$



The wall offset should be half the luminaire spacing.

Arrangement: $a = d / 2$

Surface-mounted downlights oval flood Oval flood

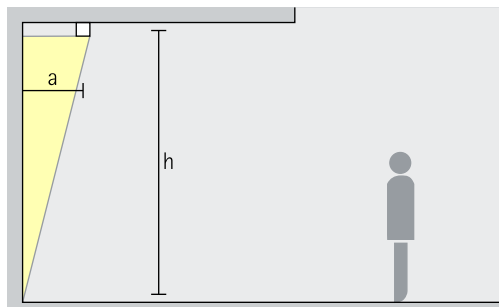


Linear lighting
For uniform lighting with luminaires arranged in a line, the spacing (d) between two Compact surface-mounted downlights may be up to approximately 1.5 times the height (h) of the luminaire above the working plane.

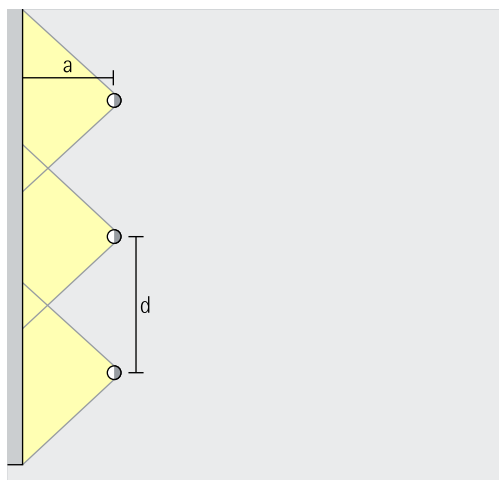
Arrangement: $d \leq 1.5 \times h$

Application: arcades and canopies.

Surface-mounted lens wallwashers Wallwash



Wallwashing
For some wallwashers, the luminaire spacing may be up to 1.3 times the offset from the wall. The appropriate details are provided in the wallwasher tables in the product data sheets. Computerized beam calculations are recommended to check potential intersections with side walls.



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

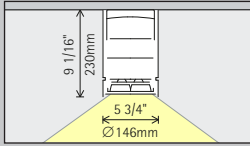
Arrangement: $d \leq 1.3 \times a$

The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

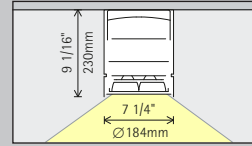


Compact Surface-mounted luminaires

Construction size



Size 4



Size 5

LED module
Maximum value at 4000K CRI 82

16W/2200lm

24W/3300lm

Light color

	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

Surface-mounted downlights	Surface-mounted downlights oval flood
Extra wide flood	Oval flood
Surface-mounted lens wallwashers	
Wallwash	

Surface-mounted downlights	Surface-mounted downlights oval flood
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Wallwash	

Control

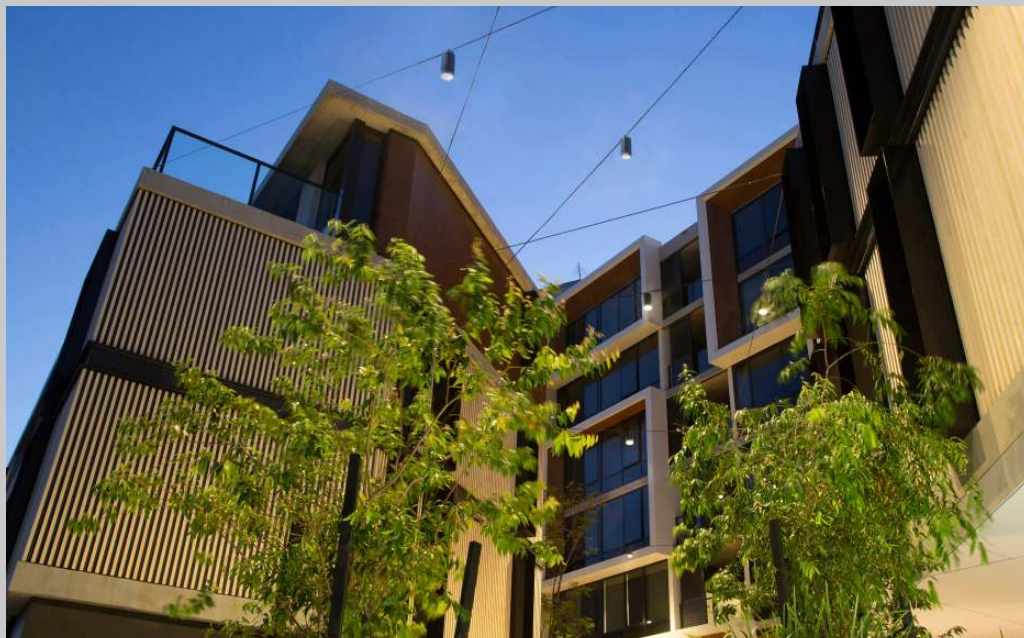
Trailing edge dimmable

Trailing edge dimmable

Color (housing)

Graphit m
 10,000 colors *

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 10,000 colors *



Liv Apartments,
Fremantle. Light-
ing design: Light-
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tralia, Perth.
Photography:
Matt Devlin, Perth.

* available on request

Article numbers and planning data:
www.erco.com/013946-us

Design and application:
www.erco.com/compact-o-s



