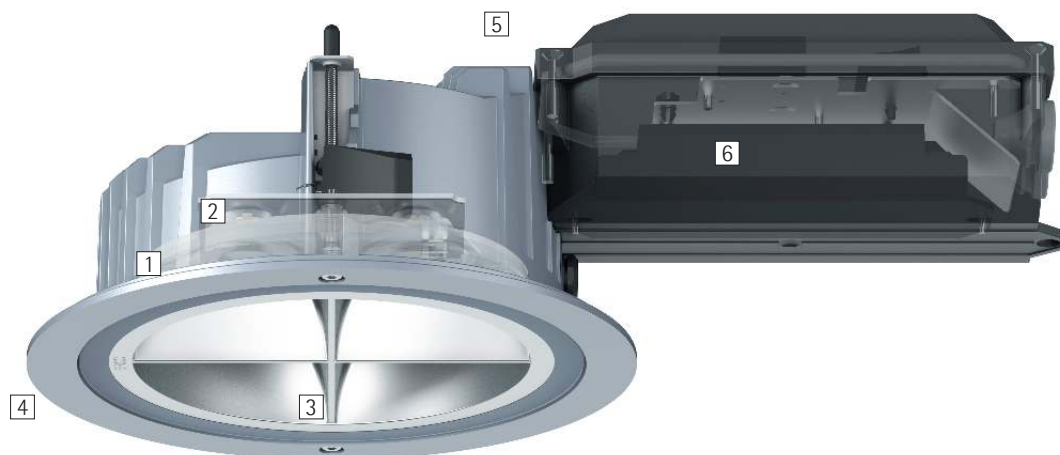




Compact – Efficient and economical

**Brilliant light for roofed areas.
Compact – ideal for outdoor use**
The need for high performance lighting applies equally to the exterior environment. The Compact downlight combines brilliant light with the familiar durability of ERCO's other exterior solutions. 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 also supports superb vertical illumination with its wallwashing distribution.

Compact 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: 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 Cover ring

- Corrosion-resistant cast aluminum, No-Rinse surface treatment
- Silver, double powder-coated
- Non-reflective safety glass

5 Housing

- Corrosion-resistant cast aluminum, No-Rinse surface treatment
- Silver, double powder-coated
- Mounting with 2- or 3-point contact and screw fastening. Max. ceiling thicknesses 1 3/16"
- Side-attached installation unit: polymer or cast aluminum, black

6 Control gear

- Switchable and trailing edge dimmable
- Trailing edge dimmable version:**
- Operation at 120V: Dimming with external dimmers possible
- Operation at 277V: switchable

Suitable for wet locations (IP65)

Dust-proof and water jet-proof

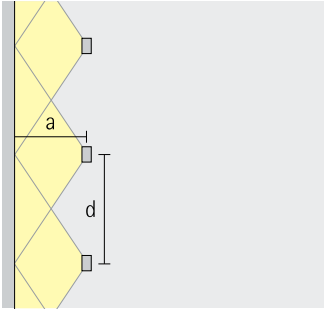
Variants on request

- 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
- Please contact your ERCO consultant.



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

Compact Recessed 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



Shallow recess depth



Wet location



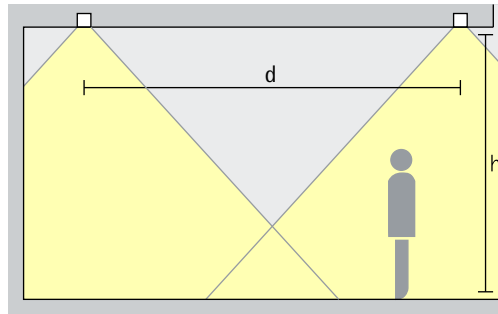
Switchable



Trailing edge dimmable

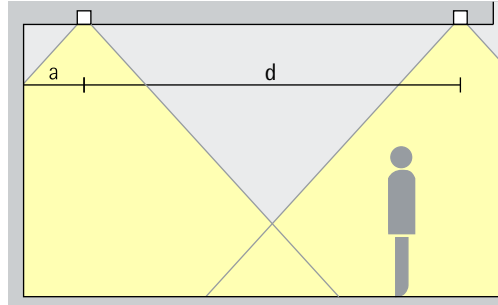
Compact Recessed luminaires – Luminaire arrangement

Downlights Extra wide flood



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

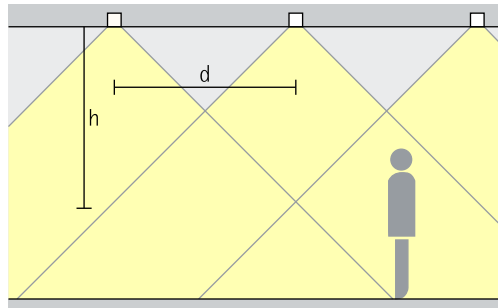
Arrangement: $d \leq 1.5 \times h$



The wall offset should be half the luminaire spacing.

Arrangement: $a = d / 2$

Downlights oval flood Oval flood

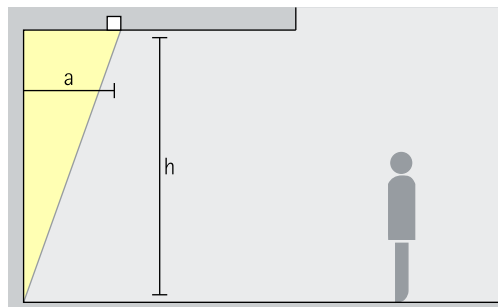


Linear lighting
For uniform lighting with luminaires arranged in a line, the spacing (d) between two Compact downlights may be up to approximately 1.5 times the height (h) of the luminaire above the working plane.

Arrangement: $d \leq 1.5 \times h$

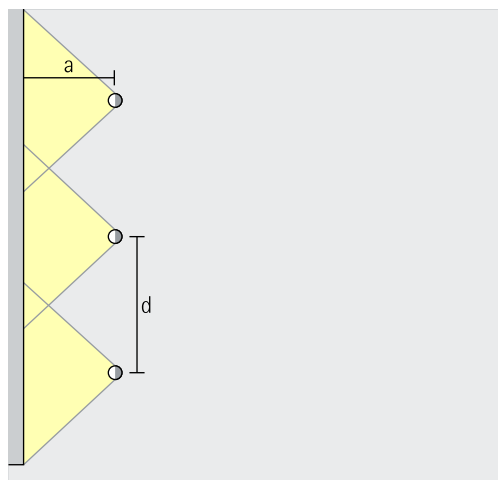
Application: arcades and canopies.

Lens wallwashers Wallwash



Wallwashing
For uniform vertical illuminance, the distance (a) of Compact lens wallwashers from the wall should be around one third of the room height (h).

Arrangement: $a = 1/3 \times h$



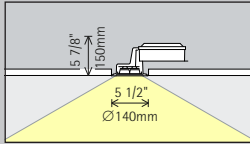
For good longitudinal uniformity, the spacing (d) of Compact lens wallwashers may be up to 1.3 times the offset from the wall (a).

Arrangement: $d \leq 1.3 \times a$

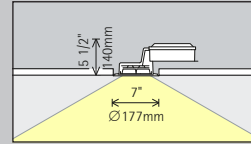
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

Compact Recessed luminaires

Construction size



Size 3



Size 4

LED module
Maximum value at 4000K CRI 82

8W/1100lm

16W/2200lm

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

Downlights	Downlights oval flood
Extra wide flood	Oval flood
Lens wallwashers	
Wallwash	

Downlights	Downlights oval flood
Extra wide flood	Oval flood
Lens wallwashers	
Wallwash	

Control

Switchable

Trailing edge dimmable

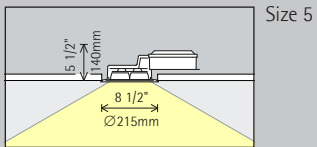
Color (housing)

Silver
 10,000 colors *

Silver
 10,000 colors *

Accessories

Concrete housing



Size 5

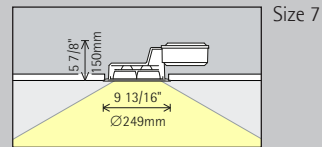
24W/3300lm

	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 92		4000K CRI 82
	3000K CRI 97 *		4000K CRI 92 *

Downlights	Downlights oval flood
Extra wide flood	Oval flood
Lens wallwashers	
Wallwash	

Trailing edge dimmable

Silver
 10,000 colors *



Size 7

32W/4400lm

	2700K CRI 92 *		3500K CRI 92 *
	3000K CRI 92		4000K CRI 82
	3000K CRI 97 *		4000K CRI 92 *

Downlights	Downlights oval flood
Extra wide flood	Oval flood

Switchable

Silver
 10,000 colors *

* available on request

Article numbers and planning data:
www.erco.com/013903-us

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



