

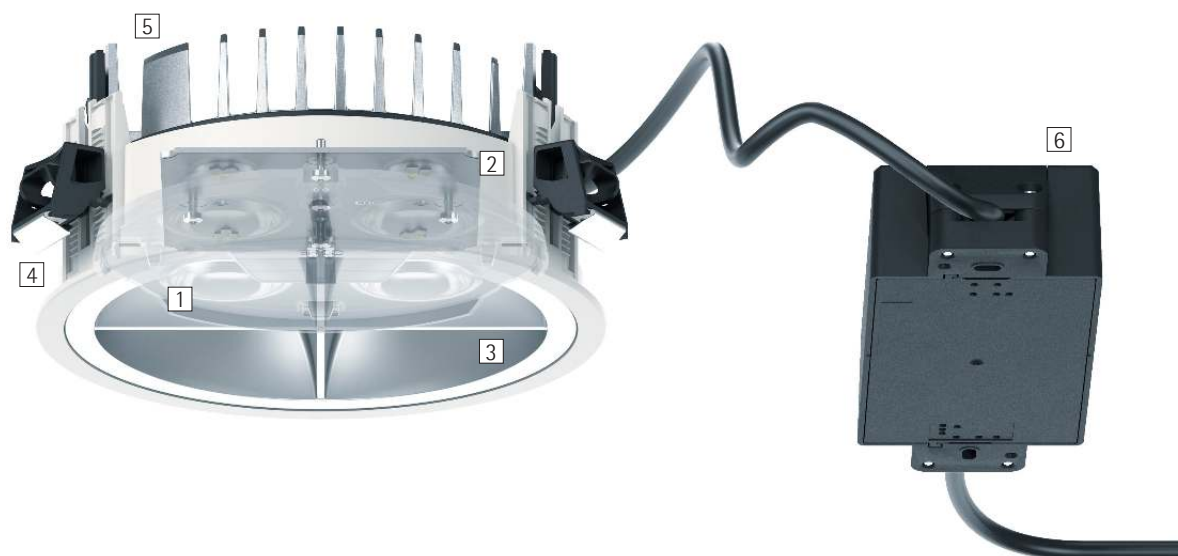


## Compact – Efficient and economical

**The combination of visual comfort and recess depth is unique.** Compact combines good visual comfort with a particularly low recess depth. The various light distributions, e.g. extra wide flood and oval flood, enable a wide range of uses in offices and administration as well as in sales areas. The unique oval flood distribution is especially suitable for illuminating circulation zones. Even generous and uniform illumination of vertical surfaces is possible with wallwashers. This means that creative lighting designers also have nuanced lighting tools at their disposal in the

area of compact downlights for efficient visual comfort.

## 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, wallwash or double wallwash

#### 2 ERCO LED-module

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

#### 3 Anti-glare ring with cross baffle

- Optical cut-off 30°
- Polymer, aluminium vaporised, silver, ribbed

or

#### Wallwasher reflector

- Polymer or metal, aluminium vaporised, silver, ribbed, with diffuser on the underside

#### 4 Mounting ring

- Covered mounting detail
- Fixing for ceiling thicknesses of 1-25mm (size 3-4) or 1-30mm (size 5-8)
- Polymer, white
- For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5-25mm

#### 5 Housing

- Cast aluminium, designed as heat sink
- Rotatable through 360°

#### 6 Control gear

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

#### Variants on request

- Anti-glare ring with cross baffle: coated matt gold, matt silver or matt champagne
  - Connection: 3- or 5-pole plug with connection cable (Wago or Wieland)
  - Mounting ring: 10,000 further colours
  - Ceiling channel system
- Please contact your ERCO consultant.

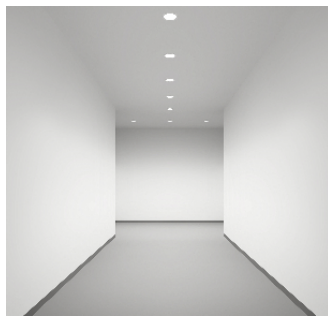


Design and application:  
[www.erco.com/compact](http://www.erco.com/compact)

# Compact 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.



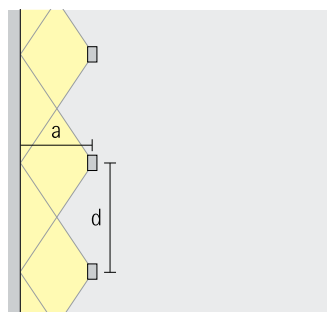
**Double wallwasher**  
 The special light distribution of the double wallwashers efficiently illuminates the opposite walls of corridors. The diffuse, reflected light from the walls also illuminates the floor and ceiling.



**Covered or flush mounting detail**  
 As standard, all recessed luminaires have overlapping installation details. Flush mounting rings are available as accessories.



**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.



**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.

Special characteristics	
	For office workstation lighting from UGR 12.1
	Double wallwasher
	Flush or covered mounting detail
	Shallow recess depth
	Wide luminaire spacing with wallwashing

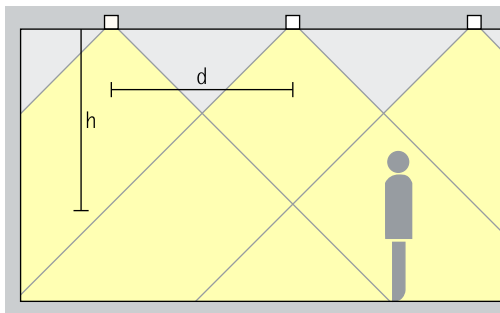
	ERCO high-power LEDs
	Efficient lens system
	Optical cut-off 30°
	Different light colours

	Excellent thermal management
	EMC-optimised
	Various construction sizes
	Tool-free mounting

	Switchable
	Phase dimmable
	DALI dimmable
	Casambi Bluetooth

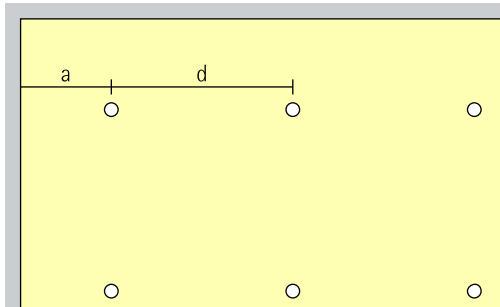
## Compact Recessed luminaires – Luminaire arrangement

### 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.

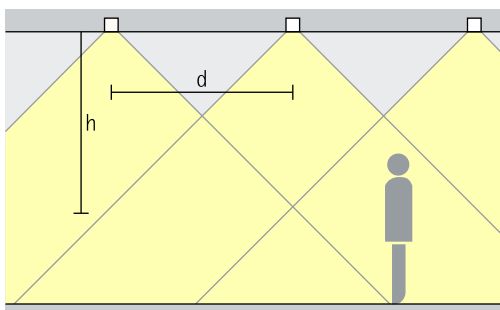
Arrangement:  $d \leq 1.5 \times h$



The wall offset should be half the luminaire spacing.

Arrangement:  $a = d / 2$

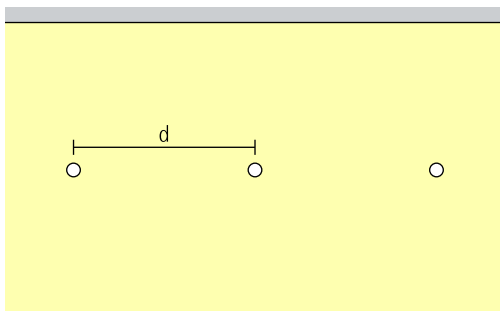
### Downlights oval flood Oval flood



**Linear lighting**  
As a rough guide for uniform illumination, the luminaire spacing (d) between two Compact downlights installed in a row may be up to 1.5 times the height (h) of the luminaire above the working plane.

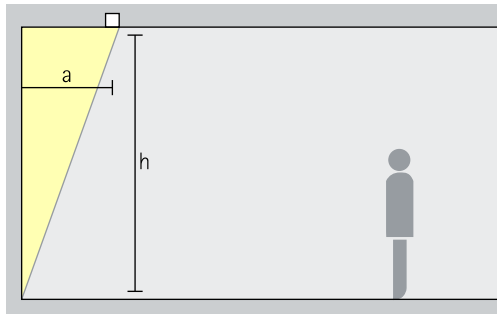
Arrangement:  $d \leq 1.5 \times h$

Application area: hallways and circulation areas.



# Compact Recessed luminaires – Luminaire arrangement

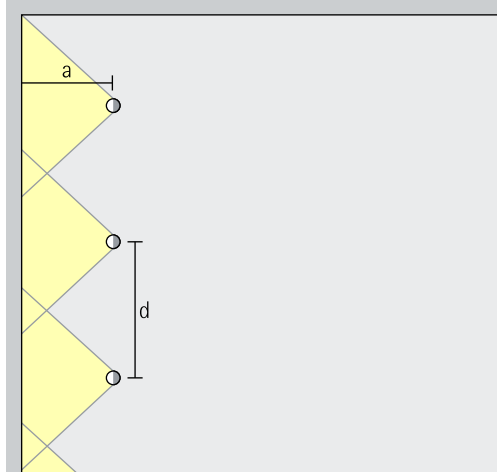
## Lens wallwashers Wallwash



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

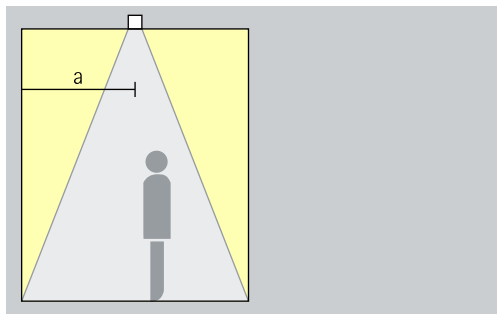


For good longitudinal uniformity, the spacing (d) of Compact lens wallwashers may be up to 1.3 times the offset from the wall (a).

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.

## Double wallwashers Double wallwash

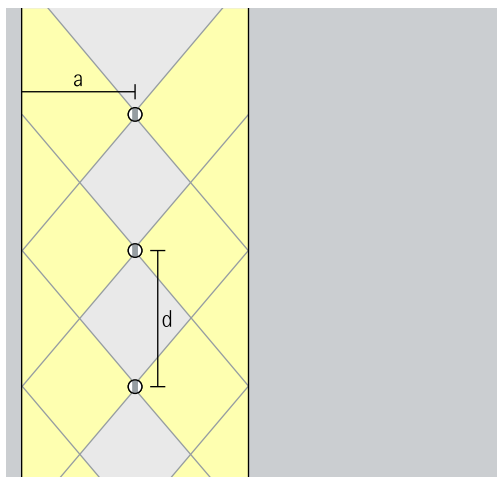


### Wallwashing

For uniform vertical illuminance on parallel walls, the distance (a) of Compact double wallwashers from the wall on either side should be around one third of the room height (h).

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

Application: corridors, e.g. in administration buildings or health facilities.



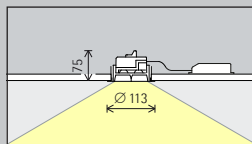
For good longitudinal uniformity, the spacing (d) of Compact lens wallwashers may be up to 1.3 times the offset from the wall (a).

Arrangement:  $d \leq 1.3 \times a$

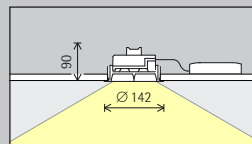
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

# Compact Recessed luminaires

Construction size



Size 3



Size 4

LED module  
Maximum value at 4000K CRI 82

8W/1100lm
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16W/2200lm
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Light colour

	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		Lens wallwashers	
	Extra wide flood		Wallwash
Downlights oval flood			
	Oval flood		

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

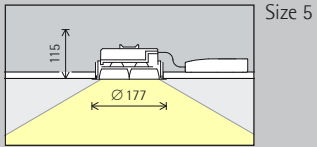
Control

	Switchable		DALI
	Phase dimmable		Casambi Bluetooth

	Switchable		DALI
	Phase dimmable		Casambi Bluetooth

Accessories

	Concrete mounting enclosure		Spacer plate		Compensation set
	Mounting ring		Mounting plate for panelled ceilings		Cover ring



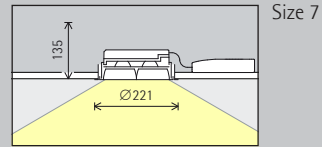
Size 5

24W/3300lm

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

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

	Switchable		DALI
	Phase dimmable		Casambi Bluetooth



Size 7

32W/4400lm

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

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

	Switchable		DALI
	Phase dimmable		Casambi Bluetooth

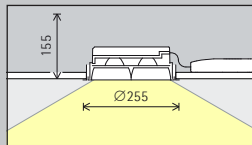
Article numbers and planning data:  
[www.erco.com/013681](http://www.erco.com/013681)

Design and application:  
[www.erco.com/compact](http://www.erco.com/compact)



# Compact Recessed luminaires

Construction size



Size 8

LED module  
Maximum value at 4000K CRI 82

40W/5500lm

Light colour

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

Light distribution

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

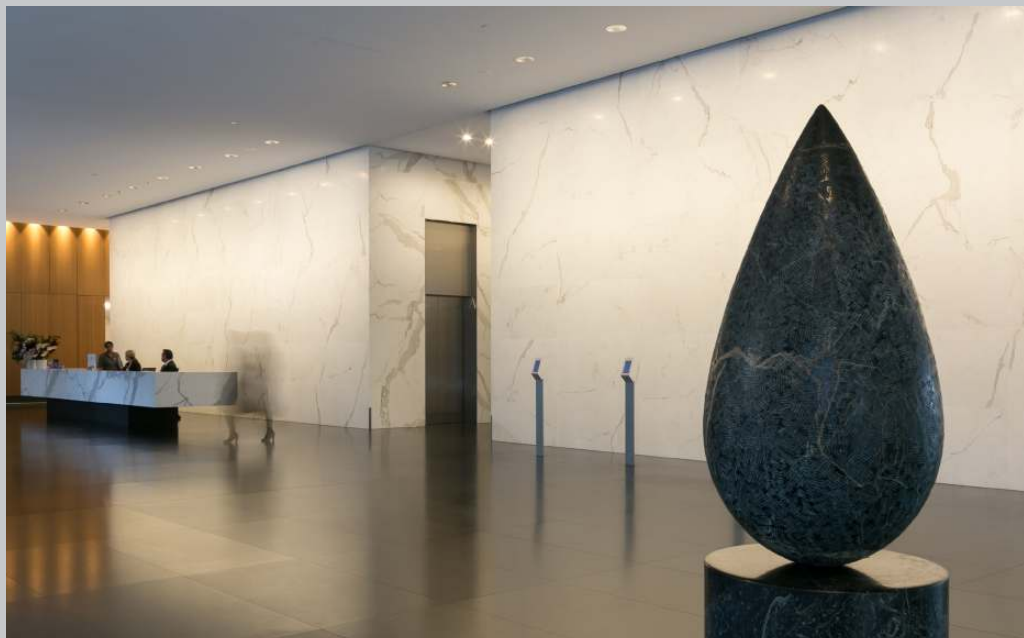
Control

	Switchable
	DALI

Accessories

	Concrete mounting enclosure		Mounting plate for panelled ceilings
	Mounting ring		Compensation set
	Spacer plate		Cover ring





Brookfield Place  
Tower 2, Perth.  
Lighting design:  
Lighting Options  
Australia, Perth.  
Photography:  
Matt Devlin, Perth.

Article numbers and planning data:  
[www.erco.com/013681](http://www.erco.com/013681)

Design and application:  
[www.erco.com/compact](http://www.erco.com/compact)





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GmbH consulting  
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architects, Ham-  
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planning: Pinck  
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graphy: Frieder  
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carpe diem  
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