

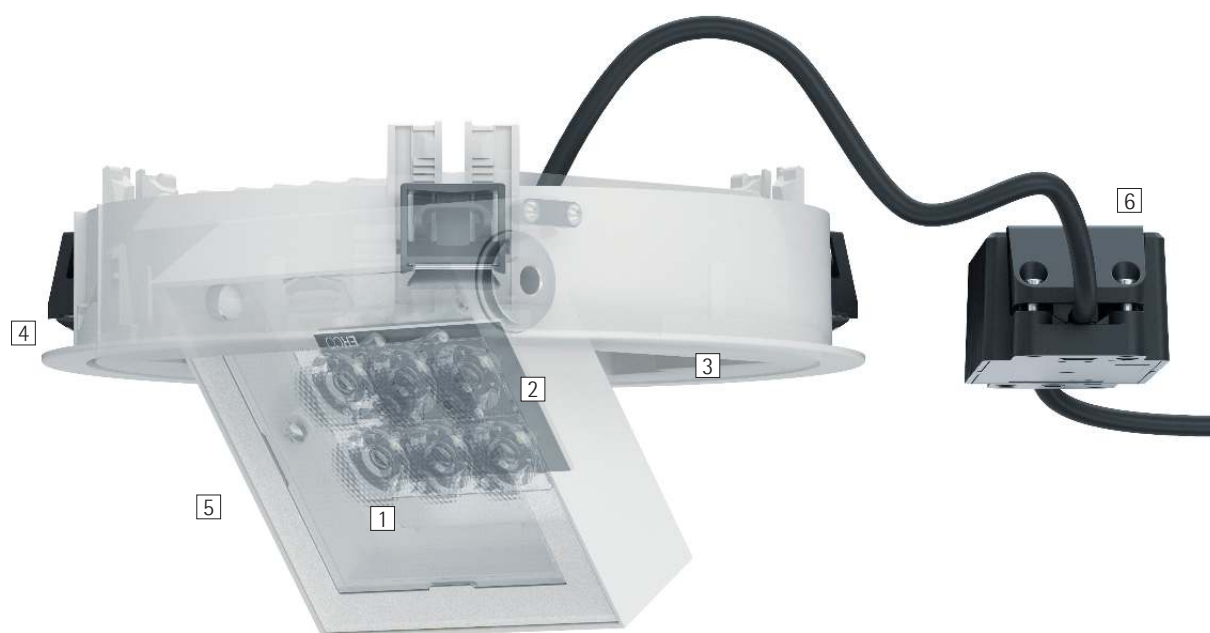


Cantax – Minimalism in the system

Individually adjustable recessed spotlight with differentiated light distributions

With the Cantax recessed luminaire, ERCO has added a new version to this successful range of track spotlights. Clear lines, brilliant light and precise light distributions set this luminaire apart as the ideal lighting tool for shops and museums. In high and low rooms, different sizes and shallow recess depths facilitate the integration into the ceiling. Thanks to the tiltable and rotatable luminaire head, the recessed spotlight can be adjusted individually. The highly efficient sys-

tem consisting of collimating and interchangeable Spherolit lenses provides the designer with a wide variety of light distributions – be it for precise accent lighting using narrow spot, the washlighting of horizontal product displays with oval flood or the uniform illumination of shelves using wallwashing.



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 Spherolit lens

- Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
- Oval flood adjustable through 90°

2 ERCO LED-module

- High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
- Collimating lens made of optical polymer

3 Flush cassette

- Polymer, white

4 Mounting ring

- Covered mounting detail
- Fixing for ceiling thicknesses of 1-30mm
- Polymer, white
- For flush mounting: mounting ring to be ordered separately, fixing for ceiling thicknesses of 12.5-25mm

5 Luminaire

- White (RAL9002)
- Cast aluminium, powder-coated
- 0°-90° tilt, 360° rotation
- Frame: polymer

6 Control gear

- Switchable, phase dimmable or DALI dimmable
- 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)
 - Housing: 10,000 further colours
 - Ceiling channel system
- Please contact your ERCO consultant.



Design and application:
www.erco.com/cantax-r

Cantax Recessed spotlights, floodlights, wallwashers



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

Pivotable through 90°
The luminaires can be adjusted precisely for optimum beam alignment. The light is thus emitted to precisely where it is required.

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	
	Pivotable through 90°
	Flush or covered mounting detail
	Shallow recess depth



ERCO high-power LEDs



Efficient Spherolit technology



Different light distributions



Different light colours



Excellent thermal management



EMC-optimised



Various construction sizes



Tool-free mounting



Accessory for maximum visual comfort



Switchable



Phase dimmable

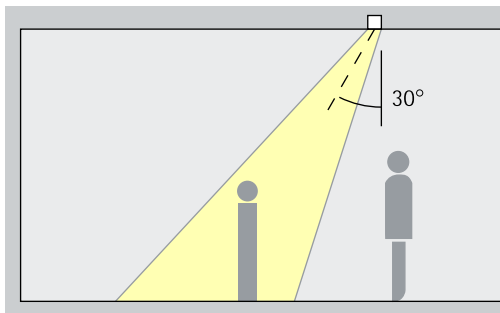


DALI dimmable

Cantax Recessed spotlights, floodlights, wallwashers – Luminaire arrangement

Recessed spotlights

Narrow spot, Spot, Flood



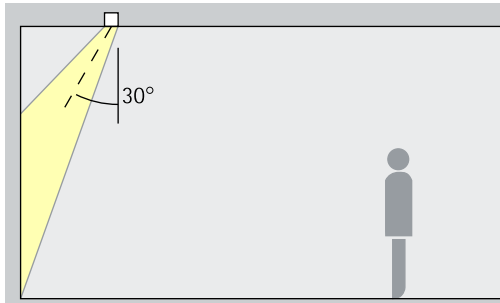
Accentuation

Cantax recessed spotlights accentuate artwork, products and architectural details effectively. The ideal angle of tilt (α) for this is around 30°. The object is modelled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: $\alpha = 30^\circ$

Recessed floodlights

Wide flood, Extra wide flood, Oval flood



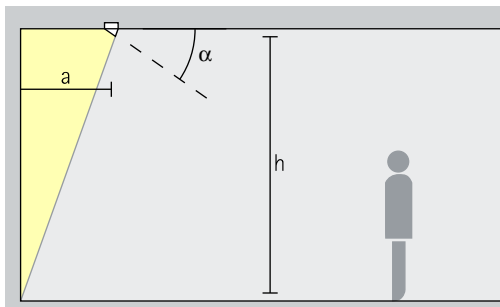
Washlighting

The ideal angle of tilt (α) for floodlighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30°.

Arrangement: $\alpha = 30^\circ$

Recessed lens wallwashers

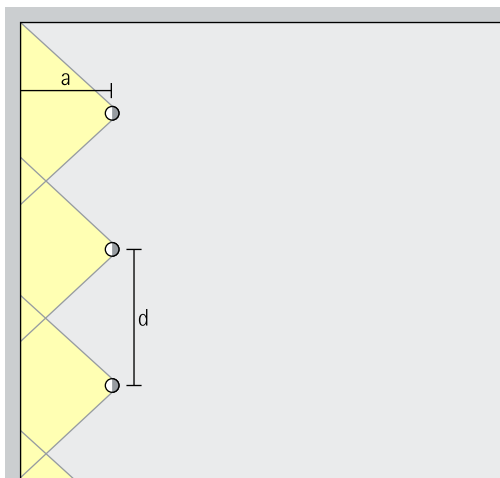
Wallwash



Wallwashing

For uniform vertical illuminance, the distance (a) of Cantax lens wallwashers from the wall should be around one third of the room height (h). This results in an angle of tilt (α) of approx. 35°.

Arrangement: $a = 1/3 \times h$ or
 $\alpha = 35^\circ$



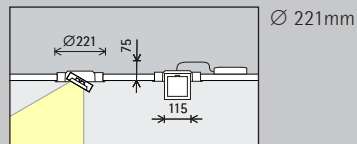
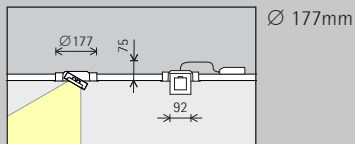
For good longitudinal uniformity, the spacing (d) of Cantax lens wallwashers may be up to 1.2 times the offset from the wall (a).

Arrangement: $d \leq 1.2 \times a$

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

Cantax Recessed spotlights, recessed floodlights, recessed wallwashers

Construction size



LED module
Maximum value at 4000K CRI 82

6W/825lm	2W/275lm (Narrow spot)
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12W/1650lm	8W/1100lm (Narrow spot)
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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

Recessed spotlights		Recessed floodlights	
	Narrow spot		Wide flood
	Spot		Extra wide flood
	Flood		Oval flood
Recessed lens wallwashers			
	Wallwash		

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	Wallwash		

Control

	Switchable
	Phase dimmable
	DALI

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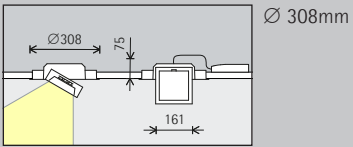
Colour (housing)

	White
	10,000 colours *







	White
	10,000 colours *








Accessories




	Lenses		Mounting ring		Cover ring
	Snoots		Compensation set		



24W/3300lm	18W/2475lm (Narrow spot)
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	2700K CRI 92		3500K CRI 92
	3000K CRI 92		4000K CRI 82
	3000K CRI 97		4000K CRI 92

Recessed spotlights		Recessed floodlights	
	Narrow spot		Wide flood
	Spot		Extra wide flood
	Flood		Oval flood
Recessed lens wallwashers			
	Wallwash		

	Switchable
	Phase dimmable
	DALI

	White
	10,000 colours *

* available on request

Article numbers and planning data:
www.erco.com/015730

Design and application:
www.erco.com/cantax-r



MASSIMO OSTI

