



## Cantax – Plain and simple

**Cantax is the ideal tool for the illumination of shops, restaurants and art**

Cantax produces the perfect beam – brilliant, evenly bright and with a soft edge. The technology originates from ERCO: innovative Spherolit technology, which is easily exchanged for different applications, making Cantax the ideal tool to meet the highest lighting standards in areas ranging from residential buildings and shops through to restaurants and art. The LED spotlights are just as suitable for exhibitions requiring light without damaging infrared or

ultraviolet components to satisfy stringent conservational criteria.



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 Housing and bracket**

  - White (RAL9002), black or silver
  - Cast aluminium, powder-coated
  - 0°-90° tilt
  - Bracket on transadapter rotatable through 360°
  - Internal wiring
  - Frame: polymer

- 4 Control gear**

  - Switchable, phase dimmable+On-board Dim or DALI dimmable
  - Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire
- 5 ERCO transadapter or ERCO DALI transadapter**

**Variants on request**

- Housing: 10,000 further colours

Please contact your ERCO consultant.



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



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

Special characteristics

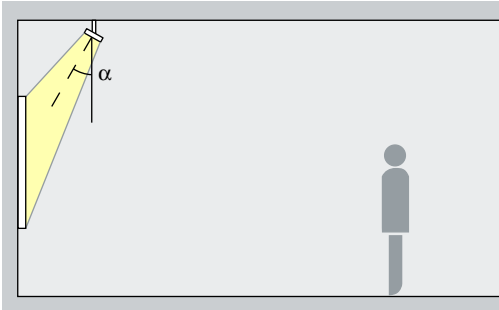


Small luminaire dimensions

	ERCO high-power LEDs		Excellent thermal management		Switchable
	Efficient Spherolit technology		EMC-optimised		Phase dimmable + On-board Dim
	Different light distributions		Various housing colours		DALI dimmable
	Different light colours		Various construction sizes		
			Pivotable through 90°		
			Accessory for maximum visual comfort		

Cantax for track 220-240V – Luminaire arrangement

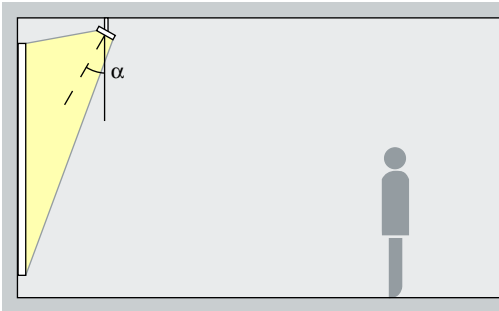
**Spotlights**  
Narrow spot, Spot, Flood



**Accentuation**  
Cantax spotlights accentuate art-work, products and architectural details effectively. The ideal angle of tilt ( $\alpha$ ) 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:  $\alpha = 30^\circ$

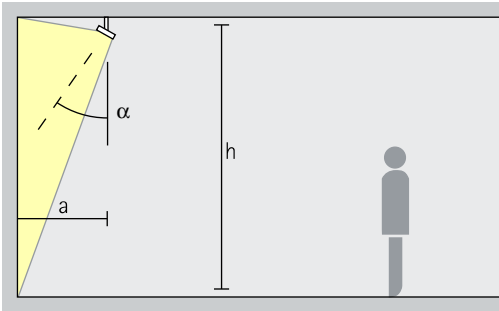
**Floodlights**  
Wide flood, Extra wide flood, Oval flood



**Washlighting**  
The ideal angle of tilt ( $\alpha$ ) for flood-lighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30°.

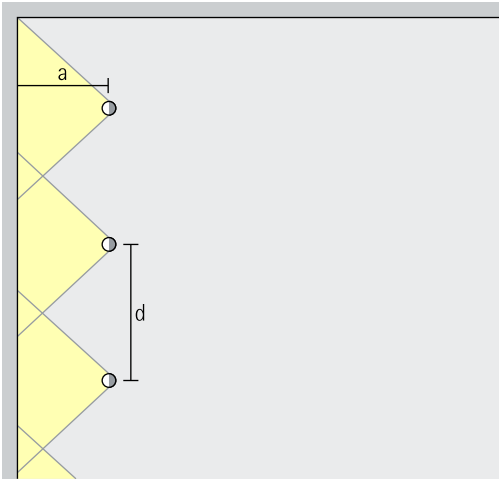
Arrangement:  $\alpha = 30^\circ$

**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 ( $\alpha$ ) 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:  $d \leq 1.2 \times a$

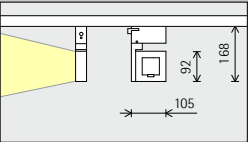
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

Waddington  
Custot, London.  
Photography:  
Lukas Palik, Düs-  
seldorf.



Cantax for track 220-240V

Construction size



105mm

LED module  
Maximum value  
at 4000K CRI 82

6W/825lm	2W/275lm (Narrow spot)
10W/1230lm	3W/410lm (Narrow spot)

Light colour

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

Light  
distribution

Spotlights		Floodlights	
	Narrow spot		Wide flood
	Spot		Extra wide flood
	Flood		Oval flood
Lens wallwashers			
	Wallwash		

Control

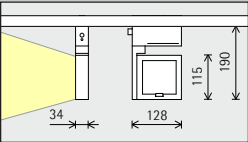
	Switchable
	Phase dimmable + On-board Dim
	DALI

Colour (housing)

	White		Silver
	Black		10,000 colours *

Accessories

	Lenses
	Snoots



128mm

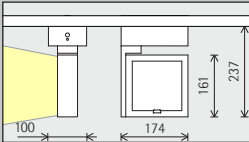
12W/1650lm	8W/1100lm (Narrow spot)
19W/2460lm	13W/1640lm (Narrow spot)

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

Spotlights		Floodlights	
	Narrow spot		Wide flood
	Spot		Extra wide flood
	Flood		Oval flood
Lens wallwashers			
	Wallwash		

	Switchable
	Phase dimmable + On-board Dim
	DALI

	White		Silver
	Black		10,000 colours *



174mm

24W/3300lm	18W/2475lm (Narrow spot)
38W/4920lm	28W/3690lm (Narrow spot)

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

Spotlights		Floodlights	
	Narrow spot		Wide flood
	Spot		Extra wide flood
	Flood		Oval flood
Lens wallwashers			
	Wallwash		

	Switchable
	Phase dimmable + On-board Dim
	DALI

	White		Silver
	Black		10,000 colours *

\* available on request

Article numbers and planning data:  
[www.erco.com/011130](http://www.erco.com/011130)

Design and application:  
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