



## Optec – The all-round talent

### **Optec – the spotlight for any purpose**

Anything is possible with Optec. In versions with different light distributions, Optec covers the full bandwidth of lighting requirements in shops, galleries and museums – high-contrast accent lighting, floodlighting of exhibits, uniform illumination of walls, or sharp-edged beams for striking effects. With innovative photometrics, Optec combines efficiency with visual comfort.

To ensure excellent thermal management and flawless performance, ERCO has separated the light head

and control gear, whilst, at the same time, the combination of cuboid and cylinder creates the visual impression of less volume and a classic design.



**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 360° rotation

or

**Attachment (zoom spotlight)**

- Zoom lens, continuously focusable
- Light distributions: zoom spot

or

**Attachment (contour spotlight)**

- Rotatable through 360°
- Framing attachment
- Holder with projection lens, continuously focusable

**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 Cylindrical light head**

- White (RAL9002) or black
- Cast aluminum, powder-coated
- 270° tilt

**4 Housing**

- White (RAL9002) or black
- Polymer
- Rotatable through 360° on adapter

**5 Control gear**

- Trailing edge dimmable+On-board Dim
- Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

**6 ERCO turning adapter for 2-circuit track**

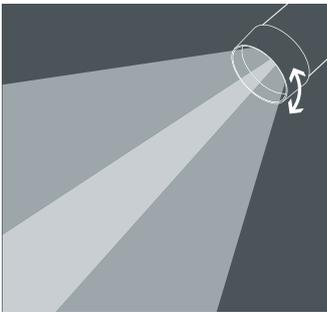
**Variants on request**

- Housing: 10,000 further colors
  - Control: Casambi Bluetooth
- Please contact your ERCO consultant.



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

# Optec for 2-circuit track



**Zoom spotlights**  
The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (65°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.



**Contour spotlights**  
Framing attachments enable a sharply defined light beam. In this way fascinating effects can be created with contour spotlights, where crisply illuminated pictures appear to illuminate from within.



**Oval flood freely rotatable**  
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.



**Very good price performance ratio**  
The entry-level products offer an attractive price/performance ratio for lighting design tasks especially oriented towards cost-effectiveness. The luminaires of course meet high levels of energy efficiency and the basic requirements for visual comfort.

Special characteristics	
	Zoom spotlight
	Contour spotlight
	Oval flood, freely rotatable
	Very good price performance ratio

	ERCO high-power LEDs
	Efficient Spherolit technology
	Different light distributions
	Different light colors

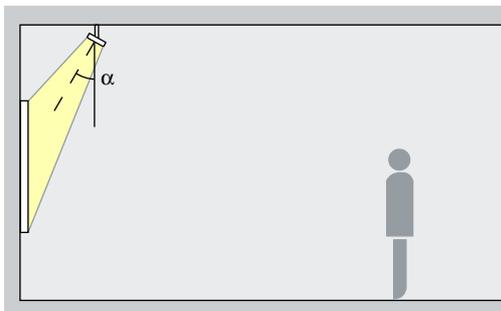
	Excellent thermal management
	EMC-optimized
	Various housing colors
	Various construction sizes
	Pivotable through 270°
	Accessory for maximum visual comfort

Trailing edge dimmable + On-board Dim

## Optec for 2-circuit track – Luminaire arrangement

### Spotlights

Narrow spot, Spot, Flood

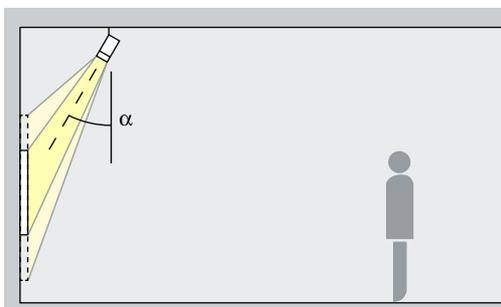


Optec spotlights accentuate artwork, products and architectural details effectively. The ideal angle of tilt ( $\alpha$ ) for this is around  $30^\circ$ . The object is modelled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement:  $\alpha = 30^\circ$

### Zoom spotlights

Zoom spot

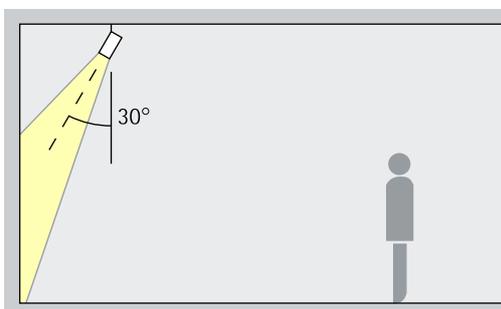


Zoom spotlights feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller works of art can be accentuated effectively at an inclination angle ( $\alpha$ ) of approximately  $30^\circ$ . The object is modeled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement:  $\alpha = 30^\circ$

### Contour spotlights

Narrow framing

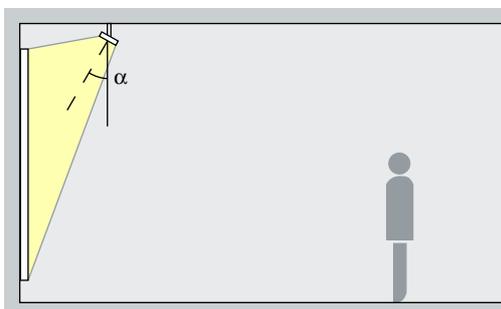


Spotlights with framing attachments enable freely settable, crisp-edged light beams. As a result fascinating effects can be created where pictures appear to illuminate from within. The ideal angle of tilt ( $\alpha$ ) is  $30^\circ$ .

Arrangement:  $\alpha = 30^\circ$

### Floodlights

Wide flood, Extra wide flood, Oval flood

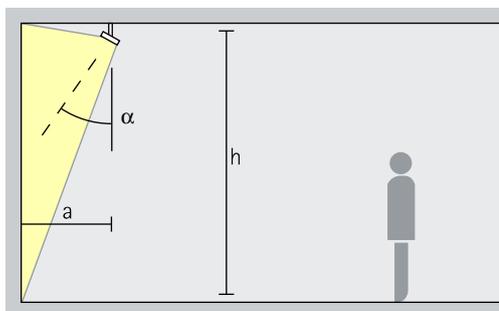


The ideal angle of tilt ( $\alpha$ ) for floodlighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around  $30^\circ$ .

Arrangement:  $\alpha = 30^\circ$

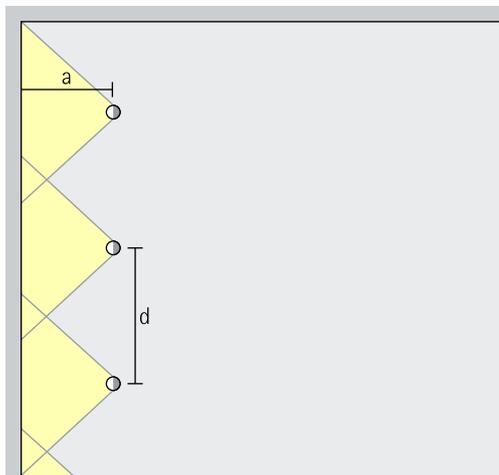
## Optec for 2-circuit track – Luminaire arrangement

### Lens wallwashers Wallwash



For uniform vertical illuminance, the distance (a) of Optec 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  
 $\alpha = 35^\circ$

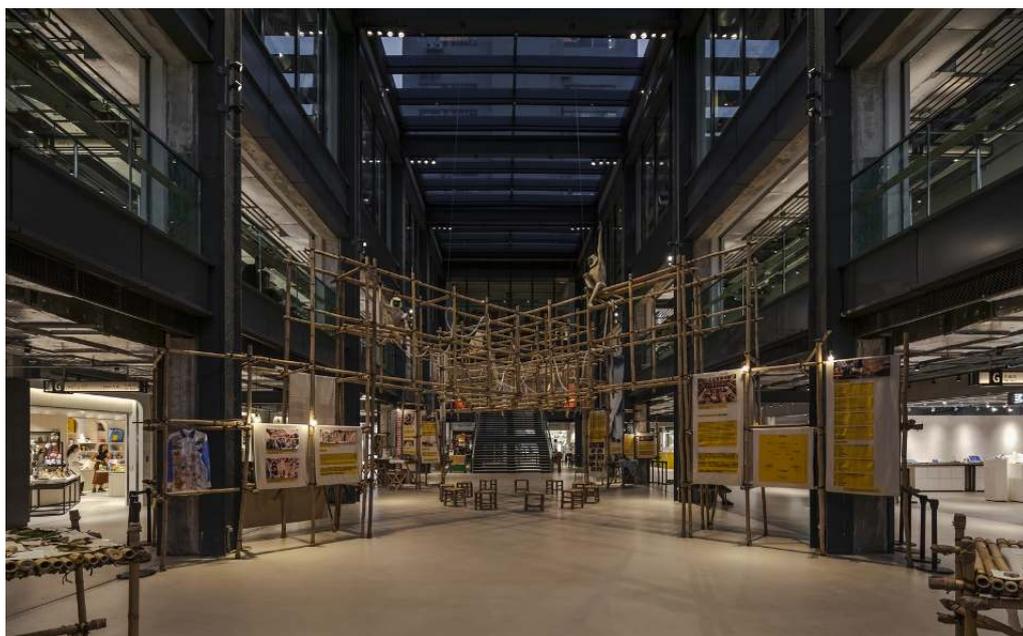


For good longitudinal uniformity, the spacing (d) of Optec lens wallwashers may be up to 1.2 times the offset from the wall (a).

Arrangement:  $d \leq 1.2 \times a$

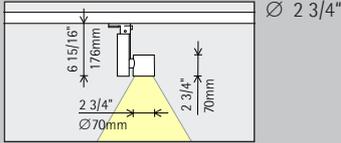
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

The Mills, Hong Kong. Architecture: Nan Fung Property. Lighting design: Lightlink International Ltd.. Photography: Jackie Chan, Sydney.

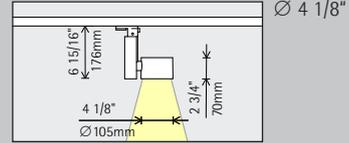


# Optec for 2-circuit track

Construction size



Construction size



LED module  
Maximum value at 4000K CRI 92

6.1W/862lm	2W/287lm (Narrow spot)
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12.1W/1723lm	4W/574lm (Narrow spot)
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Light color

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

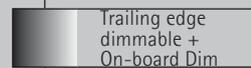
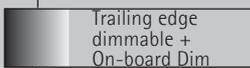
	2700K CRI 92		3500K CRI 92
	3000K CRI 92		4000K CRI 92
	3000K CRI 97		

Light distribution

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

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

Control



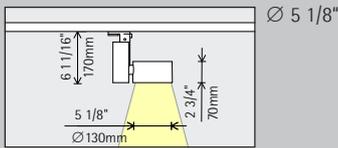
Color (housing)

	White		10,000 colors *
	Black		

	White		10,000 colors *
	Black		

Accessories

	Lenses		Cross-baffle
	Snoot		Honeycomb anti-glare screen



Ø 5 1/8"

24.3W/3446lm	8.1W/1149lm (Narrow spot)
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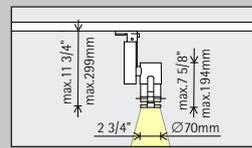
	2700K CRI 92		3500K CRI 92
	3000K CRI 92		4000K CRI 92
	3000K CRI 97		

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

Trailing edge dimmable + On-board Dim

	White		10,000 colors *
	Black		

Construction size Ø 2 3/4"



LED module  
Maximum value at 4000K CRI 92

6.1W/862lm
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	2700K CRI 92		3500K CRI 92
	3000K CRI 92		4000K CRI 92
	3000K CRI 97		

Light distribution
Contour spotlights
Narrow framing

Control Trailing edge dimmable + On-board Dim

	White		10,000 colors *
	Black		

\* available on request



