



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 heat 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 aluminium, powder-coated
- 270° tilt

4 Housing

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

5 Control gear

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

6 ERCO 3-circuit adapter or ERCO DALI adapter

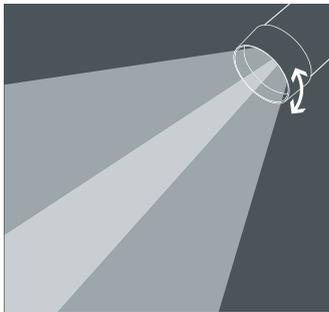
Variants on request

- Housing: 10,000 further colours
- Please contact your ERCO consultant.



Design and application:
www.erco.com/optec

Optec for track 220-240V



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.



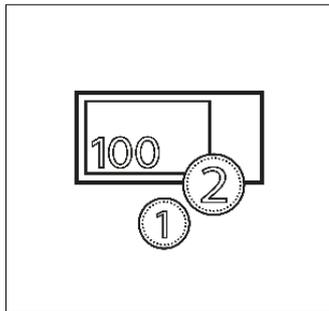
Contour spotlights

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.

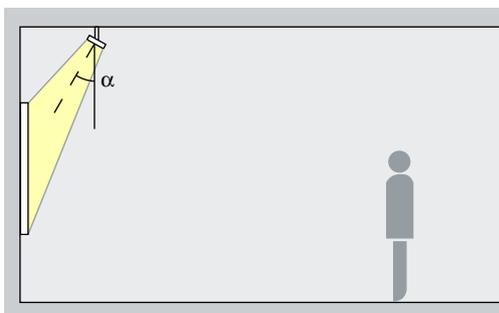
Special characteristics

 Zoom spotlight	 ERCO high-power LEDs	 Excellent thermal management	 Switchable
 Contour spotlight	 Efficient Spherolit technology	 EMC-optimised	 Phase dimmable + On-board Dim
 Oval flood, freely rotatable	 Different light distributions	 Various housing colours	 DALI dimmable
 Very good price performance ratio	 Different light colours	 Various construction sizes	 Casambi Bluetooth
		 Pivotable through 270°	
		 Accessory for maximum visual comfort	

Optec for track 220-240V – Luminaire arrangement

Spotlights

Narrow spot, Spot, Flood

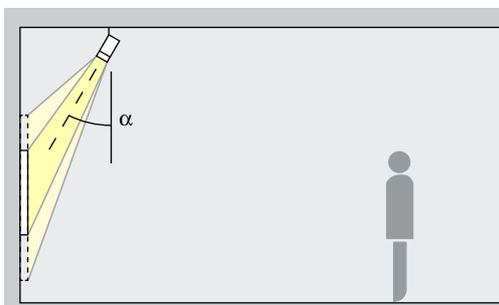


Optec spotlights accentuate artwork, products and architectural details effectively. The ideal angle of tilt (α) for this is around 30° . The object is modelled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: $\alpha = 30^\circ$

Zoom spotlights

Zoom spot

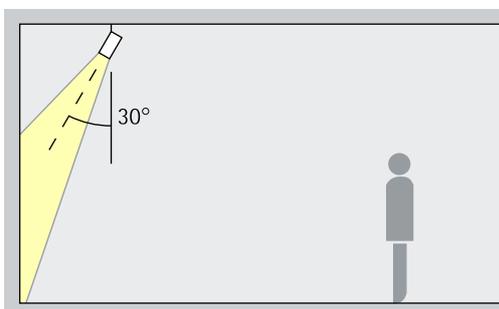


Zoom spotlights feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller works of art can be accentuated effectively at an inclination angle (α) of approximately 30° . The object is modelled without distorting the effect as a result of excessive shadowing. It also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

Arrangement: $\alpha = 30^\circ$

Contour spotlights

Narrow framing

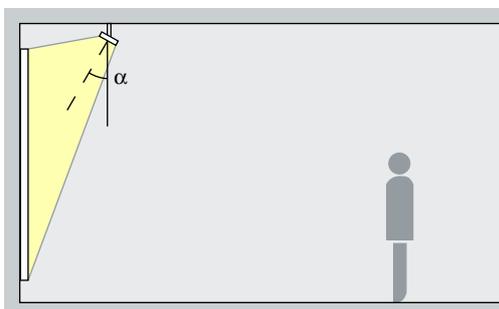


Spotlights with framing attachments enable freely settable, crisp-edged light beams. As a result fascinating effects can be created where pictures appear to illuminate from within. The ideal angle of tilt (α) is 30° .

Arrangement: $\alpha = 30^\circ$

Floodlights

Wide flood, Extra wide flood, Oval flood

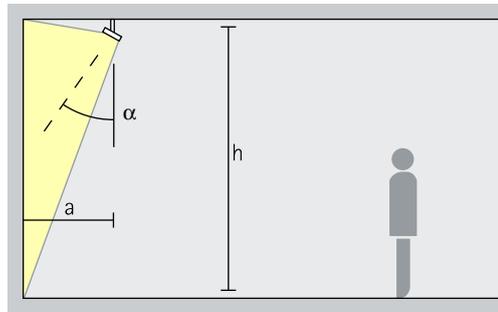


The ideal angle of tilt (α) for floodlighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30° .

Arrangement: $\alpha = 30^\circ$

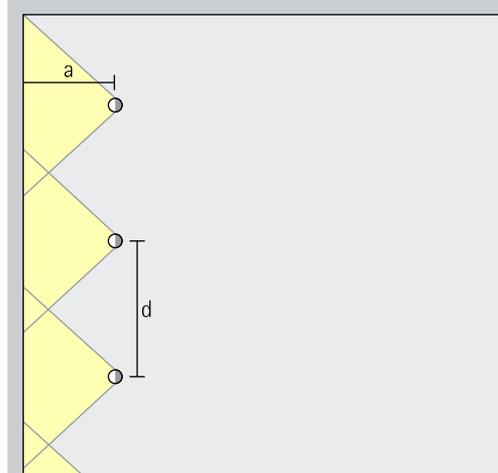
Optec for track 220-240V – Luminaire arrangement

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 (α) of approx. 35°.

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

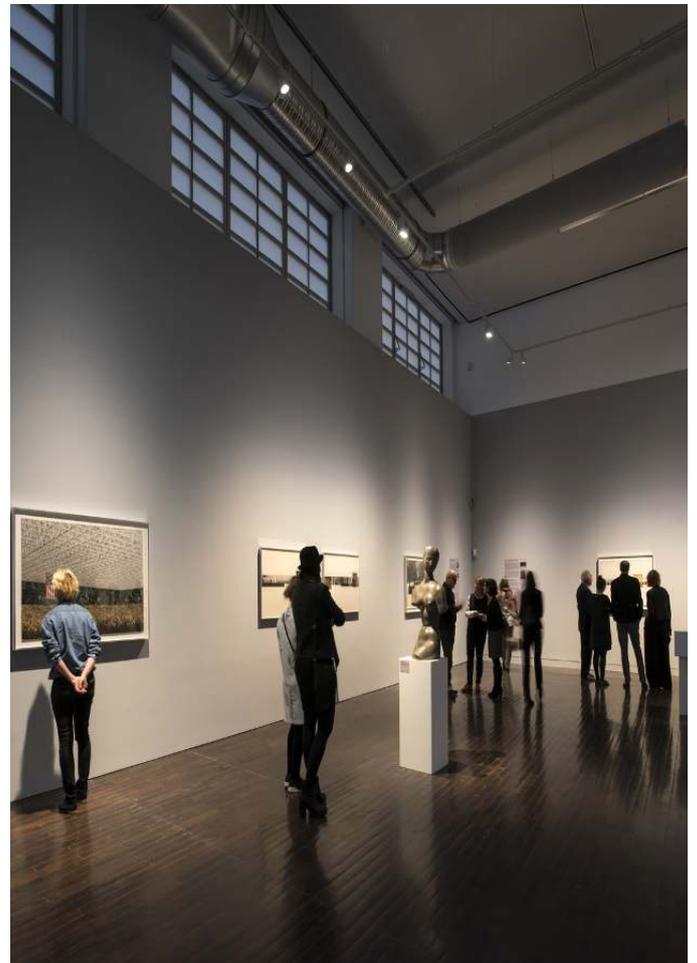


For good longitudinal uniformity, the spacing (d) of Optec lens wallwashers may be up to 1.2 times the offset from the wall (a).

Arrangement: $d \leq 1.2 \times a$

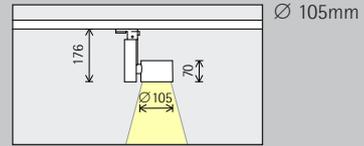
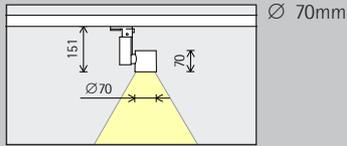
The optimal wall offset and luminaire spacing for each product are indicated in the catalogue and the product data sheets.

Exhibition Mies van der Rohe in the Ludwig Forum, Aachen. Exhibition architecture: Team of the Ludwig Forum for International Art, Aachen. Photography: Thomas Mayer, Neuss.



Optec for track 220-240V

Construction size



LED module Maximum value at 4000K CRI 92

9.3W/1213lm	3.1W/404lm (Narrow spot)
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18.6W/2426lm	6.2W/809lm (Narrow spot)
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Light colour

	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

Switchable	DALI
Phase dimmable + On-board Dim	Casambi Bluetooth

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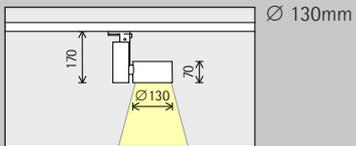
Colour (housing)

White	10,000 colours *
Black	

White	10,000 colours *
Black	

Accessories

Lenses	Cross-baffle
Snoot	Honeycomb anti-glare screen



37.3W/4853lm	12.4W/1618lm (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

	Switchable		DALI
	Phase dimmable + On-board Dim		Casambi Bluetooth

	White		10,000 colours *
	Black		

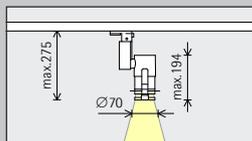
* available on request

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Optec for track 220-240V

Construction size \varnothing 70mm



LED module
Maximum value at 4000K CRI 92

9.3W/1213lm

Light colour

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

Light distribution

Contour spotlights	
	Narrow framing

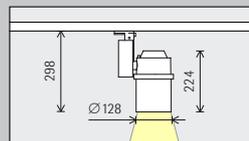
Control

	Switchable		DALI
	Phase dimmable + On-board Dim		Casambi Bluetooth

Colour (housing)

	White		10,000 colours *
	Black		

\varnothing 128mm



28W/3640lm

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

Contour spotlights	
	Narrow framing

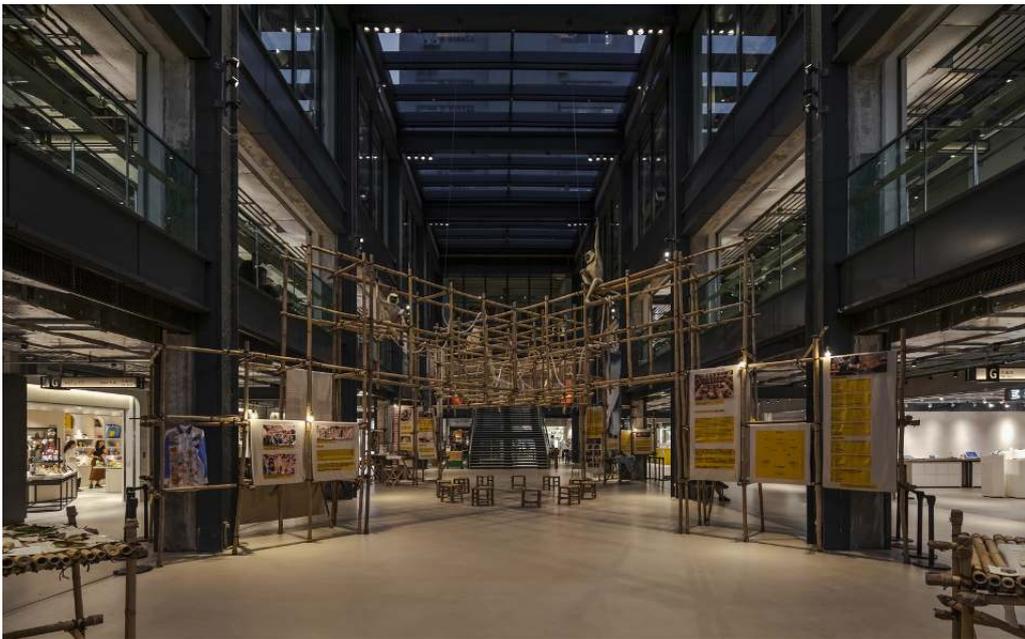
	Switchable		DALI
	Phase dimmable + On-board Dim		Casambi Bluetooth

	White		10,000 colours *
	Black		

* available on request

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

Hyundai motor studio, Goyang.
Architecture: Atelier Brückner, Stuttgart.
Lighting design: Belzner Holmes Licht-Design, Stuttgart.
Photography: Jackie Chan, Sydney.



