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.

Optec for 2-circuit track

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, zoom oval
- Zoom oval 360° rotation

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), black or silver
- Cast aluminum, powder-coated
- 270° tilt

4 Housing
- White (RAL9002), black or silver
- 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

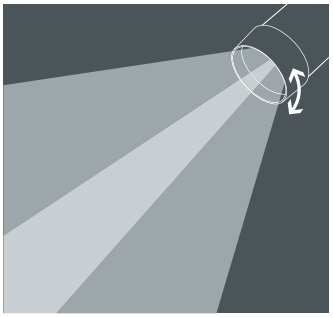
Please contact your ERCO consultant.

Design and application:
www.erco.com/optec

Optec for 2-circuit track

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.

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.



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.

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

- Oval flood, freely rotatable
- Contour spotlight
- Zoom spotlight
- 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 + Onboard Dim

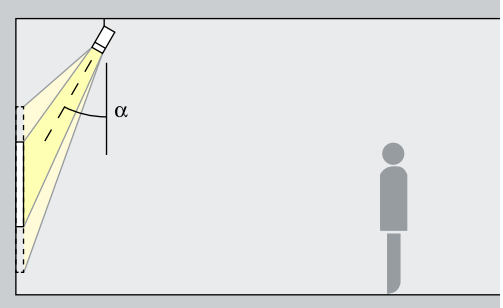
Optec for 2-circuit track – Luminaire arrangement

Spotlights
Narrow spot, Spot, Flood

Accentuation
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: α = 30°

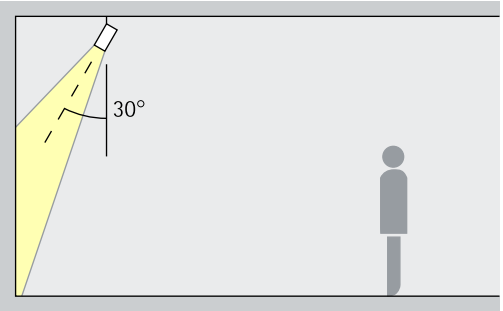
Zoom spotlights
Zoom spot, Zoom oval



Accentuation
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 oval zoom is suitable for linear works of art. The object is modeled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: α = 30°

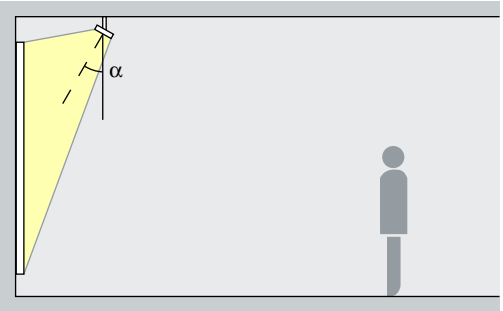
Contour spotlights
Narrow framing



Projection
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: α = 30°

Floodlights
Wide flood, Extra wide flood, Oval flood

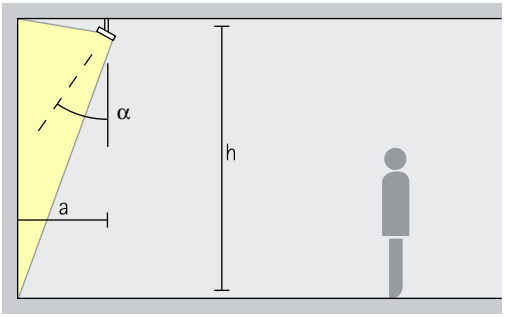


Washlighting
The ideal angle of tilt (α) for floodlighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30°.

Arrangement: α = 30°

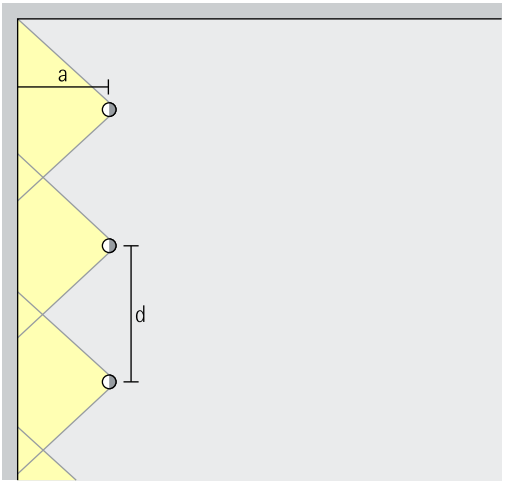
Optec for 2-circuit track – Luminaire arrangement

Lens wallwashers
Wallwash



Wallwashing
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 x h or
α = 35°



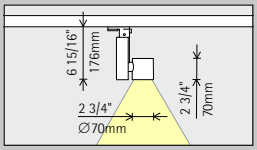
For good longitudinal uniformity, the spacing (d) of Optec lens wallwashers may be up to 1.2 times the offset from the wall (a).

Arrangement: d ≤ 1.2 x a

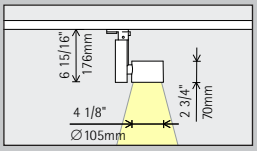
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

Optec for 2-circuit track

Construction size



Ø 2 3/4"



Ø 4 1/8"

LED module
Maximum value at 4000K CRI 82

6.1W/786lm	2W/262lm (Narrow spot)

12.1W/1572lm	4W/524lm (Narrow spot)

Light color

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

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

Spotlights	Floodlights
Narrow spot	Wide flood
Spot	Extra wide flood
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Zoom spot	Wallwash
Zoom oval	

Control

Trailing edge dimmable + On-board Dim

Trailing edge dimmable + On-board Dim

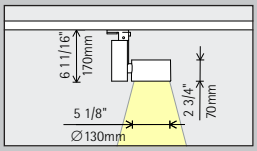
Color (housing)

White	Silver
Black	10,000 colors *

White	Silver
Black	10,000 colors *

Accessories

Lenses	Cross-baffle
Snoot	Honeycomb anti-glare screen



∅ 5 1/8"

24.3W/3144lm	8.1W/1048lm (Narrow spot)

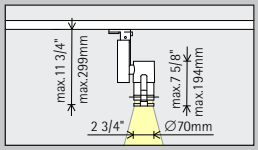
	2700K CRI 92		3500K CRI 92
	3000K CRI 92		4000K CRI 82
	3000K CRI 97		4000K CRI 92

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

	Trailing edge dimmable + On-board Dim

	White		Silver
	Black		10,000 colors *

Construction size



∅ 2 3/4"

LED module
Maximum value at 4000K CRI 82

6.1W/786lm

Light color

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

Light distribution

Contour spotlights	
	Narrow framing

Control

	Trailing edge dimmable + On-board Dim

Color (housing)

	White		Silver
	Black		10,000 colors *

* available on request

Article numbers and planning data:
www.erco.com/013760-us

Design and application:
www.erco.com/optec

Deutsches Museum, Munich. Lighting design: Prof Michael Schmidt, Bruckmühl (mslicht.de). Exhibition planning and design of lighting concepts: neo.studio, Berlin, Büro Müller-Rieger GmbH, Munich, Team Thöner Ausstellungen GmbH i.G., Augsburg. Photography: David Schreyer.