



Eclipse – The art of illuminating

One spotlight system and 28,000 possibilities: with interchangeable darklight lenses and reliable transadapters

Illuminating art in museums and galleries as well as exclusive retail projects requires high-end lighting tools. Eclipse offers innovative technology, maximum visual comfort and a system spectrum that creates unparalleled scope for individual lighting solutions. Interchangeable lens units define the light distributions – also with zoom spotlights and contour spotlights. With only one light point and an almost invisible beam path, the new Darklight

lenses have a characteristic appearance. The wide diversity of the system can be further refined with accessories: four conversion filters for example create 24 additional spectra from six LED light colours. With three sizes from XS to M and the reliable transadapter, Eclipse blends seamlessly into existing track systems. The connectivity is just as adaptable: for example with DALI or phase dimmable with On-board Dim.



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 lenses

- Made of optical polymer
- Darklight lenses: narrow spot, spot, flood, wide flood or extra wide flood
- Spherolit lenses: oval flood, oval wide flood or wallwash
- Zoom lenses: zoom spot or zoom oval; continuously focusable
- Projection lenses: narrow framing or wide framing; continuously focusable

2 Lens unit

- Rotatable through 360°
- Polymer, white or black
- Contour spotlights with framing attachment

3 ERCO LED-module

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

4 Housing and bracket

- White (RAL9002), black or silver
- Die cast zinc or cast aluminium, powder-coated
- Pivotal 0°-270°
- Bracket: cast aluminium/polymer; rotatable through 360° on adapter

5 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

6 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/eclipse-t

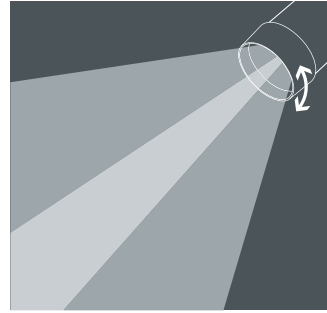
Eclipse for track 220-240V






Darklight lens
The Darklight lens not only creates a magical impression with just one light point. It also features precise, uniform light distributions, wide flexibility in the selection of beam characteristics and state of the art efficiency.














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.

Special characteristics	
	Efficient darklight technology
	Contour spotlight
	Zoom spotlight

	ERCO high-power LEDs
	Optical cut-off 40°/50°/60°
	Different light distributions
	Oval flood, freely rotatable
	Different light colours

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

	Switchable
	Phase dimmable + On-board Dim
	DALI dimmable

Eclipse for track 220-240V – Luminaire arrangement

Spotlights

Narrow spot, Spot, Flood



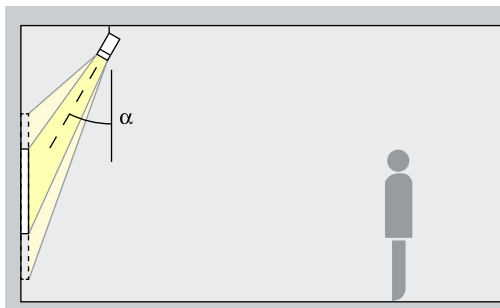
Accentuation

Works of art, merchandise and architectural details are effectively accentuated with Eclipse. 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 oval



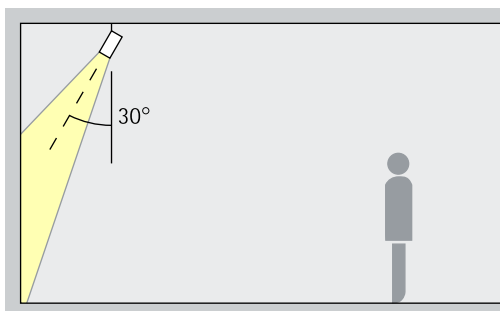
Accentuation

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 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, Wide framing



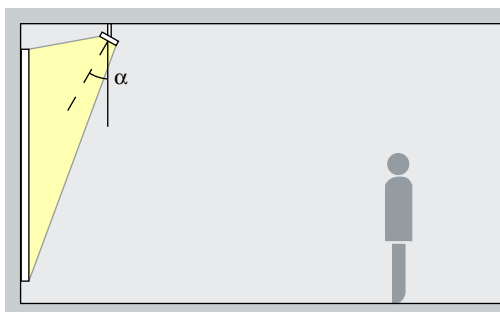
Projection

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: $\alpha = 30^\circ$

Floodlights

Wide flood, Extra wide flood, Oval wide flood, Oval flood



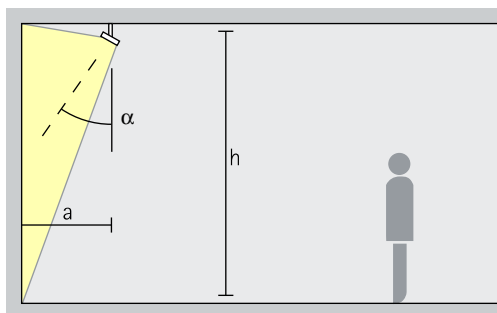
Washlighting

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: $\alpha = 30^\circ$

Eclipse for track 220-240V – Luminaire arrangement

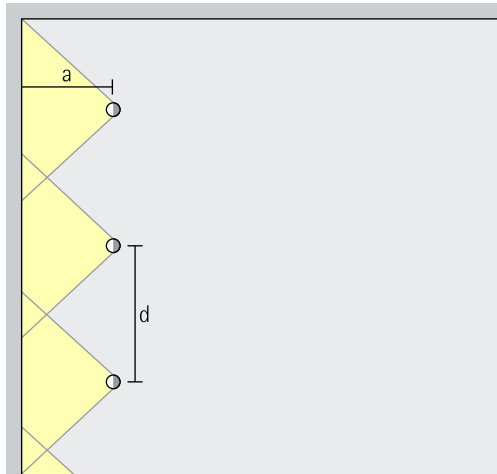
Lens wallwashers Wallwash



Wallwashing

For uniform vertical lighting, the distance to the wall (a) of Eclipse lens wallwashers 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 Eclipse lens wallwashers may be up to 1.2 times the distance to the wall (a).

Arrangement: $d \leq 1.2 \times a$

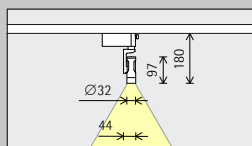
Optimal wall distances and luminaire spacing values for individual products are specified in the wall-washer tables at www.erco.com.

Livrustkammaren,
Armoury of the
Royal Castle,
Stockholm. Exhibi-
tion design:
Annika Thore,
Form och Funk-
tion. Lighting
design: Pernilla
Tenje, Statens
Historiska Museer,
Stockholm. Pho-
tography: Johan
Elm, Stockholm.

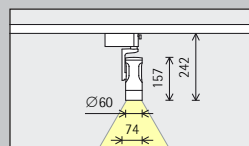


Eclipse for track 220-240V

Size



XS
Ø 32mm



S
Ø 60mm

LED module
Maximum value at 4000K CRI 82

2W/264lm	3.1W/371lm (Narrow spot)
3.1W/371lm	

8W/1056lm	3.1W/371lm (Narrow spot)
12.2W/1485lm	

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

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

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Zoom spotlights	Oval wide flood
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Contour spotlights	
Framing	

Control

	Switchable		DALI
	Phase dimmable + On-board Dim		

	Switchable		DALI
	Phase dimmable + On-board Dim		

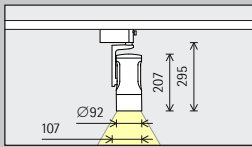
Colour (housing)

	White		Silver
	Black		10,000 colours *

	White		Silver
	Black		10,000 colours *

Accessory

	Lenses		Lens Units		Snoot
	Filter		Honeycomb louvre		Barn doors



M
 Ø 92mm

14W/1848lm	4.2W/467lm (Narrow spot)
21.4W/2598lm	

	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
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Zoom spotlights	Oval wide flood
Zoom spot	Lens wallwashers
Zoom oval	Wallwash
Contour spotlights	
Framing	

	Switchable		DALI
	Phase dimmable + On-board Dim		

	White		Silver
	Black		10,000 colours *

* available on request

Article numbers and planning data:
www.erco.com/019323

Design and application:
www.erco.com/eclipse-t



