



Eclipse 48V – The art of illuminating

A spotlight system with interchangeable Darklight lenses and Minirail adapters

Eclipse offers high-end technology, maximum visual comfort and a system scope for all applications – for example in museums and galleries but also for exclusive retail projects. Interchangeable lens units define the light distributions – also as zoom spotlights and contour spotlights. With only one light point and an almost invisible beam path, the new Darklight lenses create a magical appearance. Refine with accessories: conversion filters create additional spectra and tun-

able white and RGBW are available for dynamic scenes. The compact Eclipse luminaires ideally match the Minirail track. Modern connectivity such as Casambi Bluetooth and DALI via gateway round off Eclipse 48V.



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 or wall-wash
- Zoom lenses: zoom spot; 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), neutral white (3500K or 4000K), tunable white (2700-7500K) or RGBW
- Collimating lens made of optical polymer

4 Housing and bracket

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

5 Control gear

- On-board Dim or Casambi Bluetooth
- On-board Dim version: rotary control for control of brightness on the luminaire

6 ERCO Minirail adapter

Variants on request

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

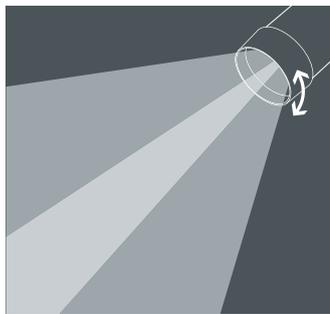


Design and application:
www.erco.com/eclipse-48V

Eclipse 48V for Minirail track



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.



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.



Tunable white technology
Just as the colour temperature outdoors changes continuously during the day, the colour temperature of the lighting can be adjusted indoors to e.g. support lighting concepts for Human Centric Lighting.



Coloured light
Using coloured light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate coloured light very efficiently and flexibly.

Special characteristics



Efficient darklight technology



Zoom spotlight



Contour spotlight



Tunable white



Coloured light



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



On-board Dim

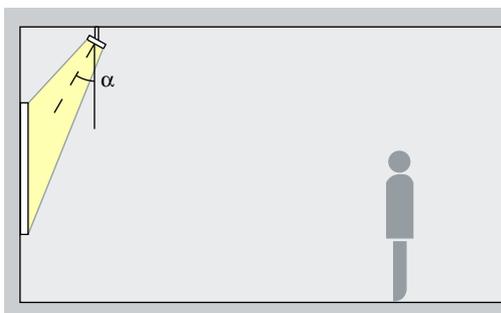


Casambi Bluetooth

Eclipse 48V for Minirail track – Luminaire arrangement

Spotlights

Narrow spot, Spot, Flood

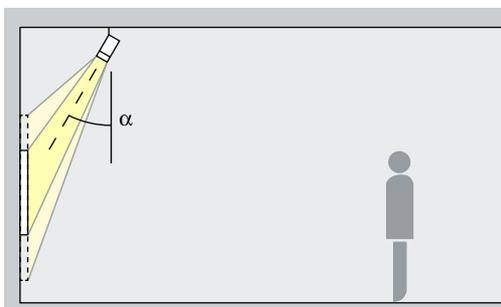


Works of art, merchandise and architectural details are effectively accentuated with Eclipse 48V. The ideal angle of tilt (α) for this is around 30°. The object is modelled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: $\alpha = 30^\circ$

Zoom spotlights

Zoom spot

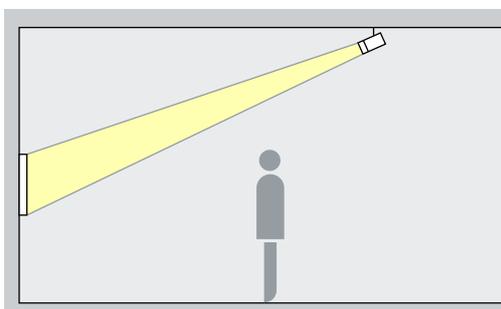


Zoom spotlights feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller works of art can be accentuated effectively at an inclination angle (α) of approximately 30°. The object is modelled without distorting the effect as a result of excessive shadowing. It also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

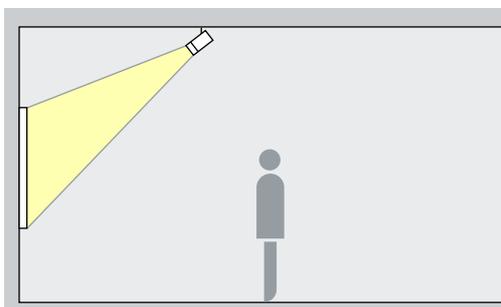
Arrangement: $\alpha = 30^\circ$

Contour spotlights

Narrow framing, Wide framing

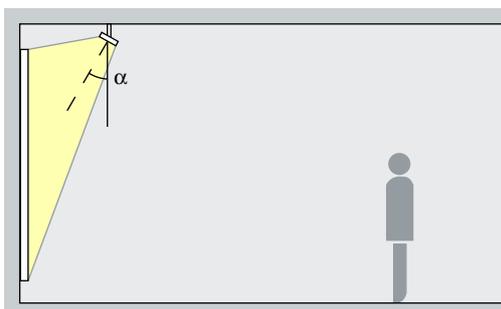


Contour spotlights generate freely adjustable, crisp-edged light beams. As a result fascinating effects can be created where pictures appear to illuminate from within. Select narrow framing to accurately illuminate small exhibits from a long distance and wide framing to accurately illuminate large exhibits from a short distance.



Floodlights

Wide flood, Extra wide flood, Oval flood

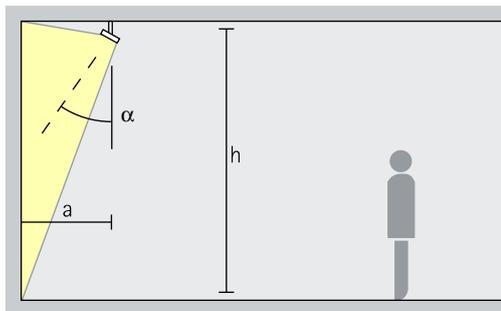


The ideal angle of tilt (α) for flood-lighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30°.

Arrangement: $\alpha = 30^\circ$

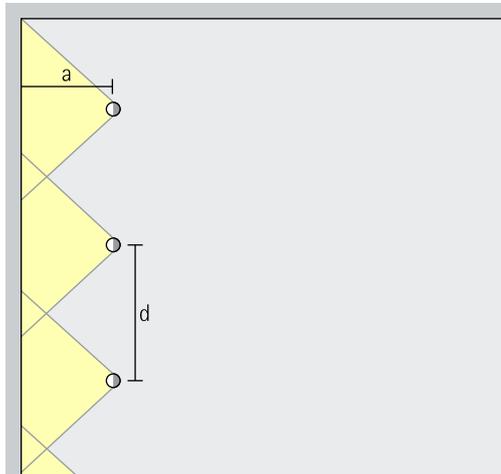
Eclipse 48V for Minirail track – Luminaire arrangement

Lens wallwashers
Wallwash



For uniform vertical lighting, the distance to the wall (a) of Eclipse 48V lens wallwashers should be around one third of the room height (h). This results in an angle of tilt (a) of approx. 35°.

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



For good longitudinal uniformity, the spacing (d) of Eclipse 48V lens wallwashers can be up to 1.5 times the distance to the wall (a).

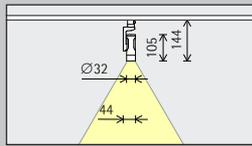
Arrangement: $d \leq 1.5 \times a$

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

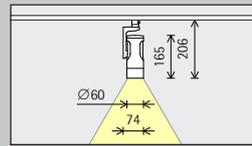


Eclipse 48V for Minirail track

Size



XS
Ø 32mm



S
Ø 60mm

LED module
Maximum value at 4000K CRI 92

3.1W/404lm	3,1W/404lm (Narrow spot)
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12.4W/1618lm	3,1W/339lm (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
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	Flood		Oval flood
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	Zoom spot		Wallwash
Contour spotlights			
	Narrow framing		
	Wide framing		

Control

	On-board Dim
	Casambi Bluetooth + DALI via Gateway

	On-board Dim
	Casambi Bluetooth + DALI via Gateway

Colour (housing)

	White		10,000 colours *
	Black		

	White		10,000 colours *
	Black		

Accessory

	Lenses		Lens Units		Snoot		Add-on Control Units
	Filter		Honeycomb louvre		Barn doors		DALI-Casambi Gateway

5.7W/697lm

Tunable white

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

Casambi Bluetooth + DALI via Gateway

White	10,000 colours *
Black	

8.6W/803lm

RGBW

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

Casambi Bluetooth + DALI via Gateway

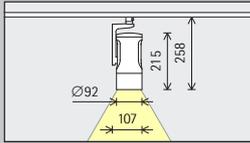
White	10,000 colours *
Black	

* available on request



Eclipse 48V for Minirail track

Size



M
Ø 92mm

LED module
Maximum value at 4000K CRI 92

21.7W/2831lm	4,2W/426lm (Narrow spot)
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18W/2155lm

Light colour

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

	Tunable white
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Light distribution

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

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

Control

	On-board Dim
	Casambi Bluetooth + DALI via Gateway

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Colour (housing)

	White		10,000 colours *
	Black		

	White		10,000 colours *
	Black		

Accessory

	Lenses		Lens Units		Snoot		Add-on Control Units
	Filter		Honeycomb louvre		Barn doors		DALI-Casambi Gateway

16.4W/1524lm

 RGBW

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

 Casambi Bluetooth
+ DALI via Gateway

 White	 10,000 colours *
 Black	

* available on request

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