



Eclipse 48V – The art of illuminating

One spotlight system and thousands of possibilities: with interchangeable low brightness 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 with 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 tunable white and RGBW are available for dynamic scenes. The compact Eclipse luminaires ideally match the Minirail track. Modern connectivity such as Casambi Bluetooth, Zigbee or 0-10V via a bridge 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, 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), neutral white (3500K or 4000K), tunable white (2700-7500K) or RGBW
- Collimating lens made of optical polymer

4 Housing and bracket

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

5 Control gear

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

6 ERCO Minirail adapter

Variants on request

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



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

Eclipse 48V for Minirail track



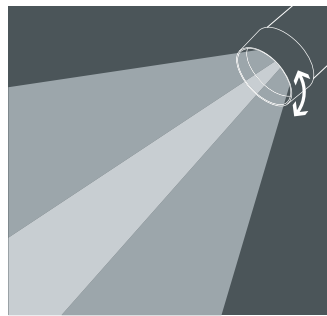
Darklight lens

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.



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.



Colored light

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



Tunable white technology

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

Special characteristics



Efficient low brightness technology



Contour spotlight



Zoom spotlight



Colored light



Tunable white



ERCO high-power LEDs



Optical cut-off 40°/50°/60° from horizontal



Different light distributions



Oval flood, freely rotatable



Excellent thermal management



EMC-optimized



Various housing colors



Various construction sizes



Pivotable through 270°



Accessory for maximum visual comfort



On-board Dim



Casambi Bluetooth

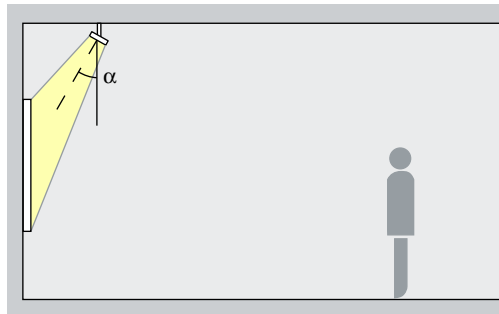


Zigbee

Eclipse 48V for Minirail track – Luminaire arrangement

Spotlights

Narrow spot, Spot, Flood



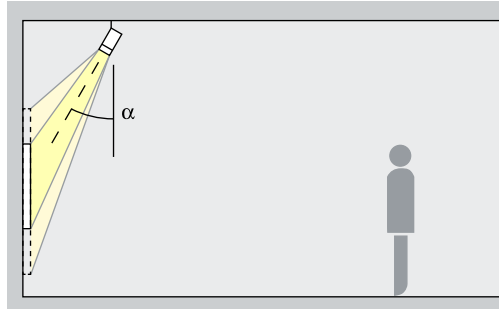
Accentuation

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 modeled 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



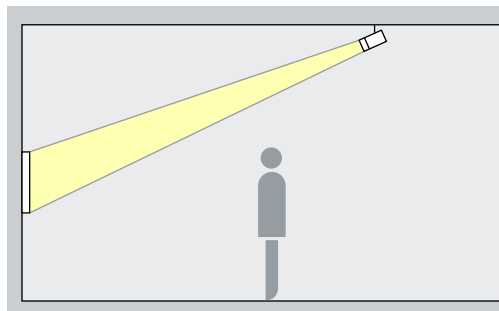
Accentuation

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 modeled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: $\alpha = 30^\circ$

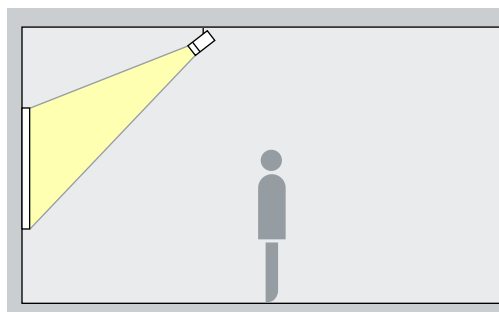
Contour spotlights

Narrow framing, Wide framing



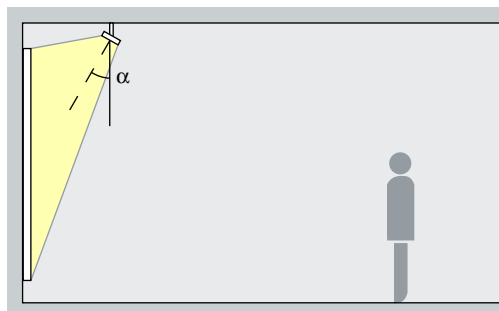
Projection

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 wide flood, Oval flood



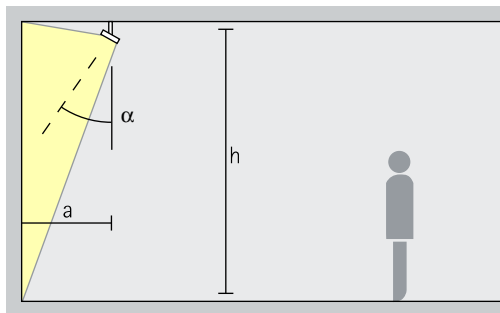
Washlighting

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 48V for Minirail track – Luminaire arrangement

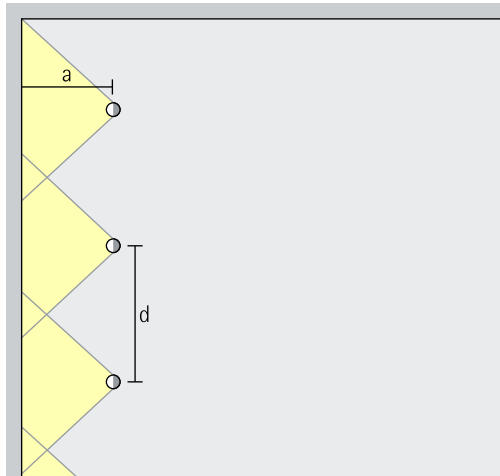
Lens wallwashers
Wallwash



Wallwashing

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 (α) of around 35°.

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



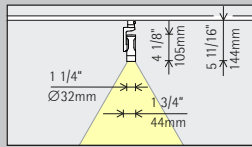
For good longitudinal uniformity, the spacing (d) of Eclipse 48V lens wallwashers can be up to 1.2 times the distance to the wall (a).

Arrangement: $d \leq 1.2 \times a$

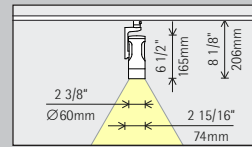
Optimal wall distances and luminaire spacing values for individual products are specified in the wall-washer tables at www.erco.com.

Eclipse 48V for Minirail track

Size



XS
Ø 1 1/4"



S
Ø 2 3/8"

LED module
Maximum value at 4000K CRI 82

2W/272lm	3.1W/382lm (Narrow spot)
3.1W/382lm	

8.1W/1086lm	3.1W/382lm (Narrow spot)
12.4W/1528lm	

Light color

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

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	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		Oval wide flood
	Zoom spot	Lens wallwashers	
	Zoom oval		Wallwash

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Contour spotlights			
	Narrow framing		
	Wide framing		

Control

	On-board Dim
	Casambi Bluetooth + 0-10V via Bridge
	Zigbee

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Color (housing)

	White		Silver
	Black		10,000 Colors *

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Accessory

	Lenses		Lens Units		Snoot		Add-on Control Units
	Filter		Honeycomb louvre		Barn doors		Bridges/Gateways * 0-10V, DALI, DMX

5.8W/698lm

9.3W/800lm

Tunable white

RGBW

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

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Contour spotlights	Wallwash
Narrow framing	
Wide framing	

Casambi Bluetooth
+ 0-10V via Bridge

Zigbee

Casambi Bluetooth
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Zigbee

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* available on request

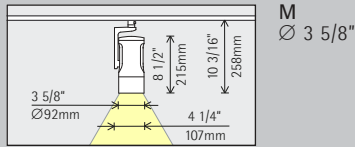
Article numbers and planning data:
www.erco.com/019322-us

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



Eclipse 48V for Minirail track

Size



LED module

Maximum value at 4000K CRI 82

14.1W/1901lm	4.2W/481lm (Narrow spot)
21.6W/2673lm	

18.2W/2156lm

Light color

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

	Tunable white
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Light distribution

Spotlights	Floodlights
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Zoom spot	Lens wallwashers
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Contour spotlights	
Narrow framing	
Wide framing	

Spotlights	Floodlights
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Contour spotlights	Wallwash
Narrow framing	
Wide framing	

Control

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Color (housing)

	White		Silver
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Accessory

	Lenses		Lens Units		Snoot		Add-on Control Units
	Filter		Honeycomb louvre		Barn doors		Bridges/Gateways * 0-10V, DALI, DMX





17.9W/1516lm

 RGBW

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

 Casambi Bluetooth
+ 0-10V via Bridge

 Zigbee

 White	 Silver
 Black	 10,000 Colors *

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