Eclipse 120V – The art of illuminating

One spotlight system, thousands of possibilities: with interchangeable low brightness lenses and a wide range of accessories

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. With four sizes, Eclipse fits ideally into existing installations. Modern connectivity such as Casambi Bluetooth, Zigbee or 0-10V via a bridge round off Eclipse.

ERCO

Technical region:
We reserve the right to make technical and design changes.
Edition: 08.11.2023

Current version under
www.erco.com/eclipse-t

Eclipse 120V 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 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
– Pivotable 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 turning transadapter or ERCO turning adapter for 2-circuit track

Variants on request
– Housing: 10,000 further colors
– Further control methods
Please contact your ERCO consultant.

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

Eclipse 120V for 2-circuit 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.
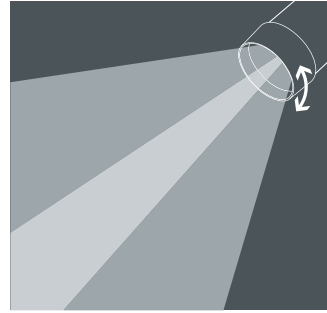
Zoom spotlights
The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (65°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.

Special characteristics

Efficient low brightness technology	
Contour spotlight	
Zoom spotlight	

ERCO high-power LEDs	
Optical cut-off 30°/40° from horizontal	
Different light distributions	
Oval flood, freely rotatable	
Different light colors	

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

On-board Dim	
Trailing edge dimmable	
Casambi Bluetooth	
Zigbee	

Eclipse 120V for 2-circuit track – Luminaire arrangement
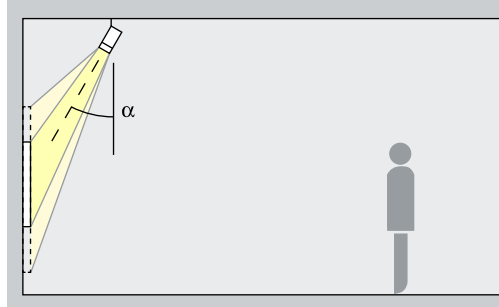
Spotlights
Narrow spot, Spot, Flood
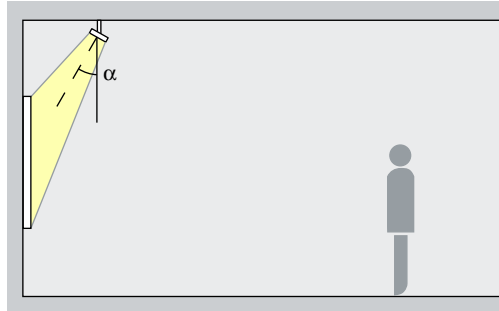
Accentuation
Works of art, merchandise and architectural details are effectively accentuated with Eclipse. The ideal angle of tilt (α) for this is around 30°. The object is modeled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: $\alpha = 30°$

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: $\alpha = 30°$

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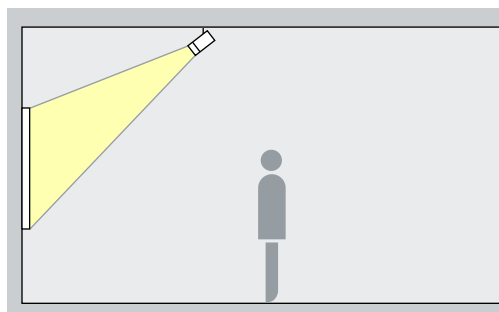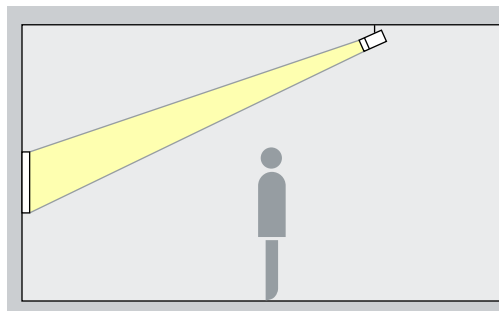
Projection
Contour spotlights generate freely adjustable, crisp-edged light beams. As a result fascinating effects can be created where pictures appear to illuminate from within. Select narrow framing to accurately illuminate small exhibits from a long distance and wide framing to accurately illuminate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

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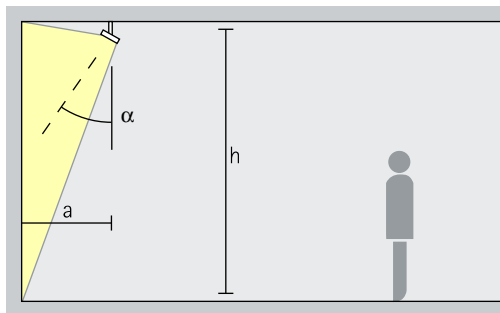Wide flood, Extra wide flood, Oval wide flood, Oval flood
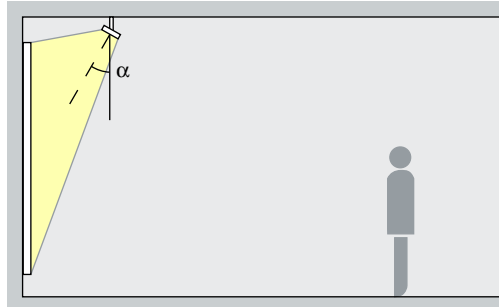
Washlighting
The ideal angle of tilt (α) for floodlighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30°.

Arrangement: $\alpha = 30°$

4

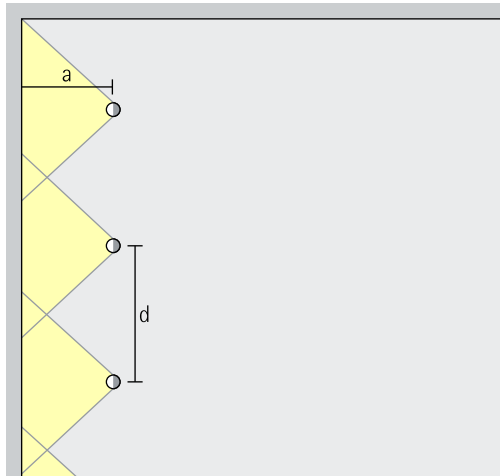# Eclipse 120V for 2-circuit track – Luminaire arrangement

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 around 35°.
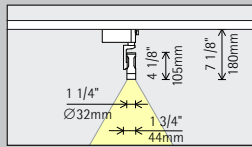
Arrangement: a = 1/3 x h or α = 35°

For good longitudinal uniformity, the spacing (d) of Eclipse lens wallwashers may be up to 1.2 times the distance to the wall (a).
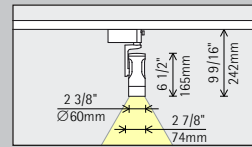
Arrangement: d ≤ 1.2 x a

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

Eclipse 120V for 2-circuit track

Size

XS	S
Ø 1 1/4"	Ø 2 3/8"
4 1/8" 105mm · 7 1/8" 180mm · 1 1/4" Ø32mm · 1 3/4" 44mm	6 1/2" 165mm · 9 9/16" 242mm · 2 3/8" Ø60mm · 2 7/8" 74mm

LED module
Maximum value at 4000K CRI 82

2W/272lm	3.1W/382lm (Narrow spot)		8.1W/1086lm	3.1W/382lm (Narrow spot)
3.1W/382lm			12.4W/1528lm	

Light color

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

Light distribution

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

Control

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

Color (housing)

White	Silver		White	Silver
Black	10,000 Colors *		Black	10,000 Colors *

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

Casambi Bluetooth + 0-10V via Bridge	Casambi Bluetooth + 0-10V via Bridge
Zigbee	Zigbee

White	Silver	White	Silver
Black	10,000 Colors *	Black	10,000 Colors *

* available on request

Eclipse 120V for 2-circuit track

Size

M
Ø 3 5/8"

3 5/8"
Ø92mm
4 1/4"
107mm
8 1/2" / 215mm
11 5/8" / 295mm

LED module
Maximum value
at 4000K CRI 82

14.1W/1901lm	4.2W/481lm (Narrow spot)	18.2W/2156lm
21.6W/2673lm		

Light color

2700K CRI 92	3500K CRI 92		Tunable white
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
Contour spotlights	
Narrow framing	
Wide framing	

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	

Control

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

Casambi Bluetooth + 0-10V via Bridge
Zigbee

Color (housing)

White	Silver
Black	10,000 Colors *

White	Silver
Black	10,000 Colors *

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 *

* available on request

Eclipse 120V for 2-circuit track

Size

L
Ø 5 1/16"

LED module
Maximum value
at 4000K CRI 82

19.9W/2834lm	9.3W/1146lm (Narrow spot)
30.3W/4035lm	

Light color

	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			Oval wide flood
	Zoom spot	Lens wallwashers	
	Zoom oval		Wallwash
Contour spotlights			
	Narrow framing		
	Wide framing		

Control

	On-board Dim
	Trailing edge dimmable
	Casambi Bluetooth + 0-10V via Bridge

Color (housing)

	White		Silver
	Black		10,000 colors *

Accessory

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