Eclipse 120V – The art of illuminating

A spotlight system with interchangeable darklight lenses and proven transadapters
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. Eclipse fits ideally into existing installations. Modern connectivity such as Casambi Bluetooth or 0-10V via a bridge round off Eclipse.

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 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
- Cast aluminum, powder-coated
- Pivotable 0°–270°
- Bracket: cast aluminum/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 turning transadapter or ERCO turning adapter for 2-circuit track

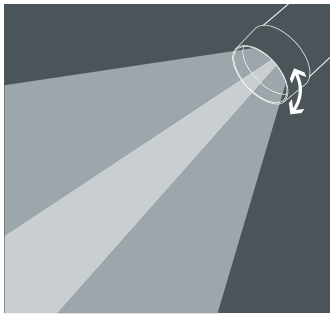
Variants on request
- Housing: 10,000 further colors
- Further control methods

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.



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 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.

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.

Special characteristics

- Efficient darklight technology
- Zoom spotlight
- Contour spotlight
- Tunable white
- Colored light

- 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

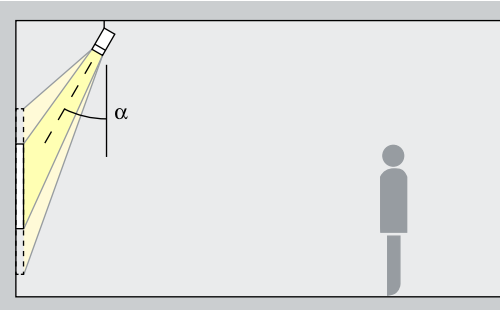
Eclipse 120V for 2-circuit track – Luminaire arrangement

Spotlights
Narrow spot, Spot, Flood

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: α = 30°

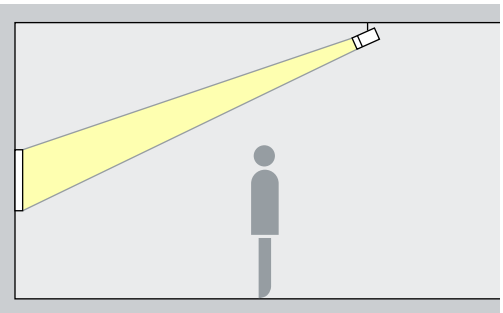
Zoom spotlights
Zoom spot



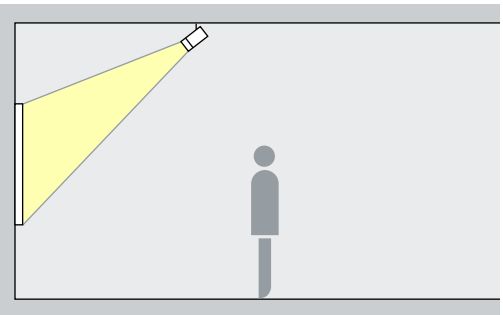
Zoom spotlights feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller works of art can be accentuated effectively at an inclination angle (α) of approximately 30°. The object is modeled without distorting the effect as a result of excessive shadowing. It also prevents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

Arrangement: α = 30°

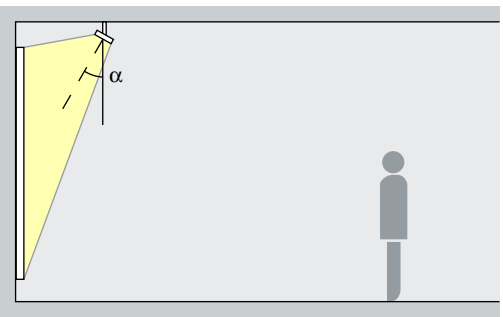
Contour spotlights
Narrow framing, Wide framing



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

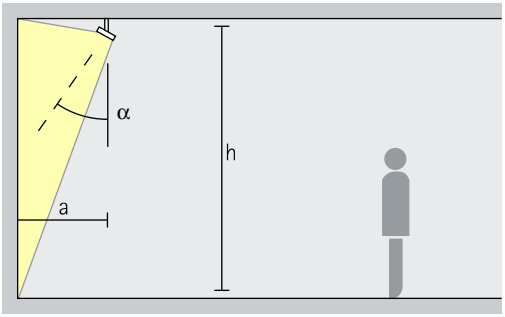


The ideal angle of tilt (α) for floodlighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30°.

Arrangement: α = 30°

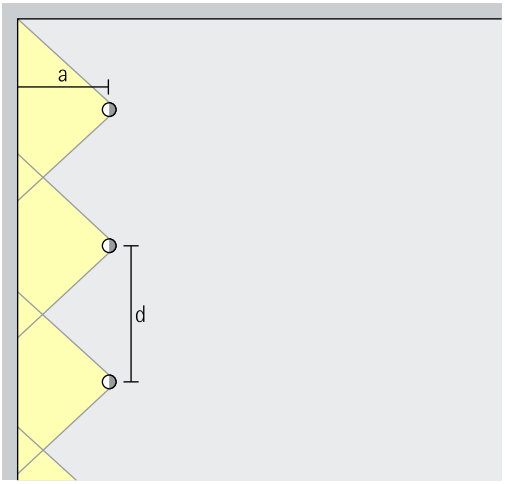
Eclipse 120V for 2-circuit track – Luminaire arrangement

Lens wallwashers
Wallwash



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°



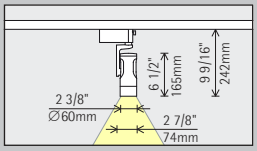
For good longitudinal uniformity, the spacing (d) of Eclipse lens wallwashers may be up to 1.5 times the distance to the wall (a).

Arrangement: d ≤ 1.5 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



S
Ø 2 3/8"

LED module
Maximum value at 4000K CRI 92

12.4W/1618lm	3,1W/339lm (Narrow spot)

5.7W/697lm

Light color

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

Tunable white

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 + 0-10V via Bridge

Casambi Bluetooth + 0-10V via Bridge

Color (housing)

White	10,000 colors *
Black	

White	10,000 colors *
Black	

Accessory

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

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
+ 0-10V via Bridge

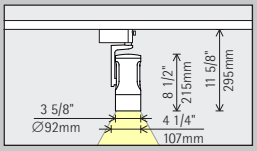
White	10,000 colors *
Black	

* available on request

www.erco.com/eclipse-t

Eclipse 120V for 2-circuit track

Size



M
Ø 3 5/8"

LED module
Maximum value at 4000K CRI 92

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

18W/2155lm

Light color

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

Tunable white

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 + 0-10V via Bridge

Casambi Bluetooth + 0-10V via Bridge

Color (housing)

White	10,000 colors *
Black	

White	10,000 colors *
Black	

Accessory

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

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
+ 0-10V via Bridge

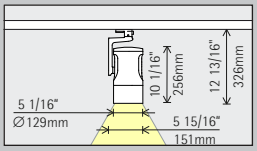
White	10,000 colors *
Black	

* available on request

www.erco.com/eclipse-t

Eclipse 120V for 2-circuit track

Size



L
Ø 5 1/16"

LED module
Maximum value at 4000K CRI 92

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

Light color

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
Contour spotlights	
Narrow framing	
Wide framing	

Control

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

Color (housing)

White	10,000 colors *
Black	

Accessory

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

* available on request

www.erco.com/eclipse-t