



Eclipse 48V – The art of illuminating

One spotlight system and 28,000 possibilities: with interchangeable darklight lenses and Minirail adapters

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 generate 24 additional spectra from six LED light colours, and tunable white and RGBW are available for dynamic scenes. With three sizes from XS to M and adapters for the Minirail 48V track featuring a width of just 22mm, Eclipse 48V shines wherever high quality light is required from particularly compact luminaires, and with maximum connectivity: with wireless standards such as

Casambi Bluetooth or Zigbee as well as DALI via a radio gateway.



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 and zoom oval; continuously focusable
- Projection lenses: 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 (2700-8000K) or RGBW
- 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, 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 colours
- Please contact your ERCO consultant.



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

Eclipse 48V for Minirail track



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.



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.



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.



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

| Special characteristics | |
|-------------------------|--------------------------------|
| | Efficient darklight technology |
| | Contour spotlight |
| | Zoom spotlight |
| | Coloured light |
| | Tunable white |

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

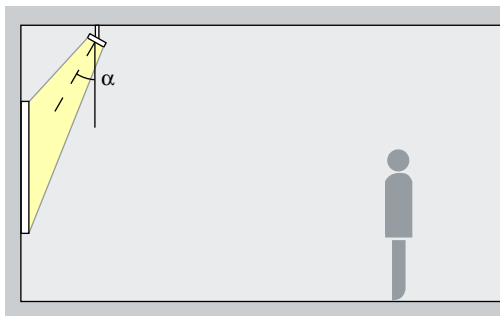
| | |
|--|--------------------------------------|
| | Excellent thermal management |
| | EMC-optimised |
| | Various housing colours |
| | Various construction sizes |
| | Pivotable through 270° |
| | Accessory for maximum visual comfort |

| | |
|--|-------------------|
| | Switchable |
| | 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 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



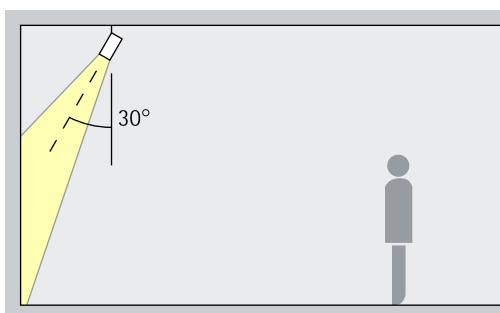
Accentuation

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

Framing



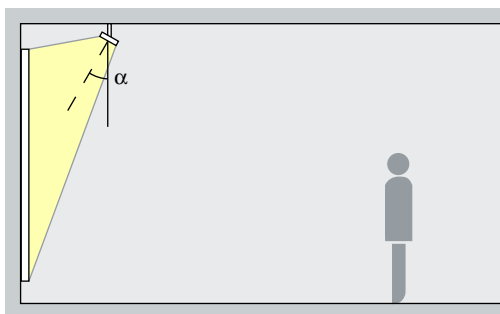
Projection

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



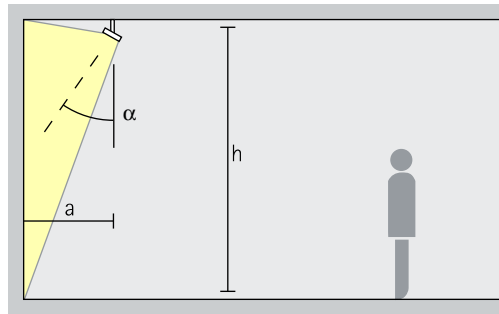
Washlighting

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 48V for Minirail track – Luminaire arrangement

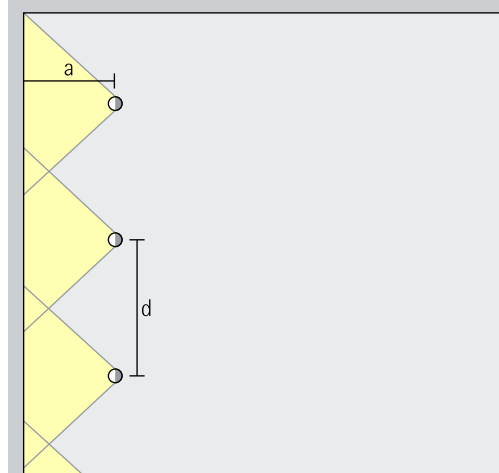
Lens wallwashers
Wallwash



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 approx. 35°.

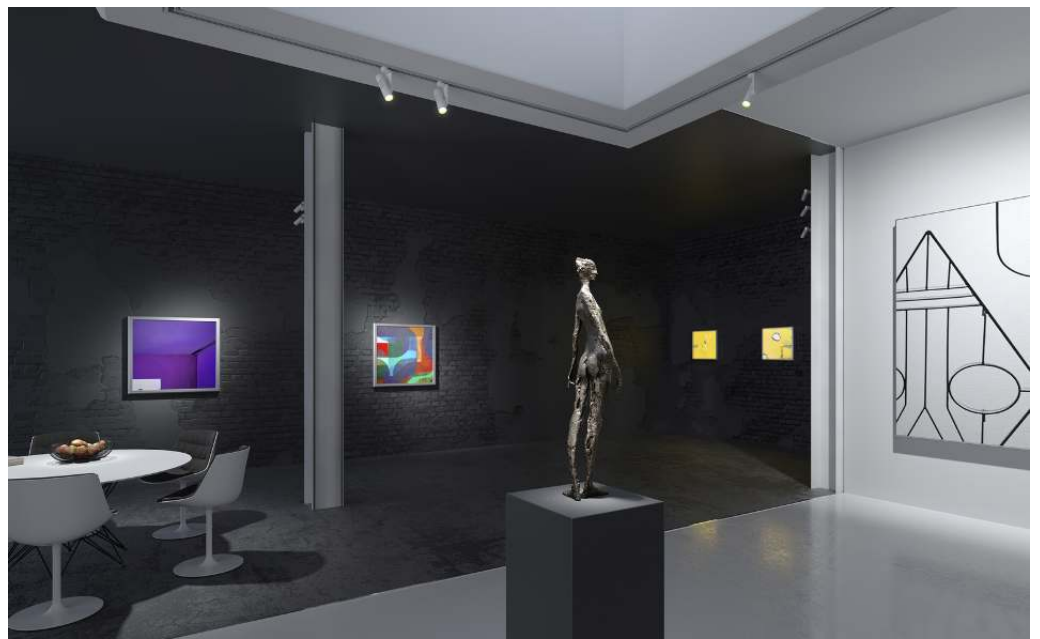
Arrangement: $a = 1/3 \times h$ or $\alpha = 35^\circ$



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

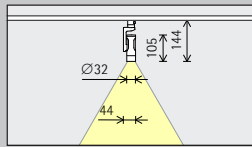
Arrangement: $d \leq 1.2 \times a$

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

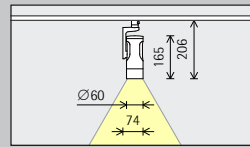


Eclipse 48V for Minirail track

Size



XS
Ø 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 | | Oval wide flood |
| | Zoom spot | | Lens wallwashers |
| | Zoom oval | | Wallwash |

| 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 | | | |
| | Framing | | |

Control

| | | | |
|--|---|--|--------------|
| | Switchable | | On-board Dim |
| | Casambi Bluetooth + DALI via Gateway | | Zigbee |

| | | | |
|--|---|--|--------------|
| | Switchable | | On-board Dim |
| | Casambi Bluetooth + DALI via Gateway | | Zigbee |

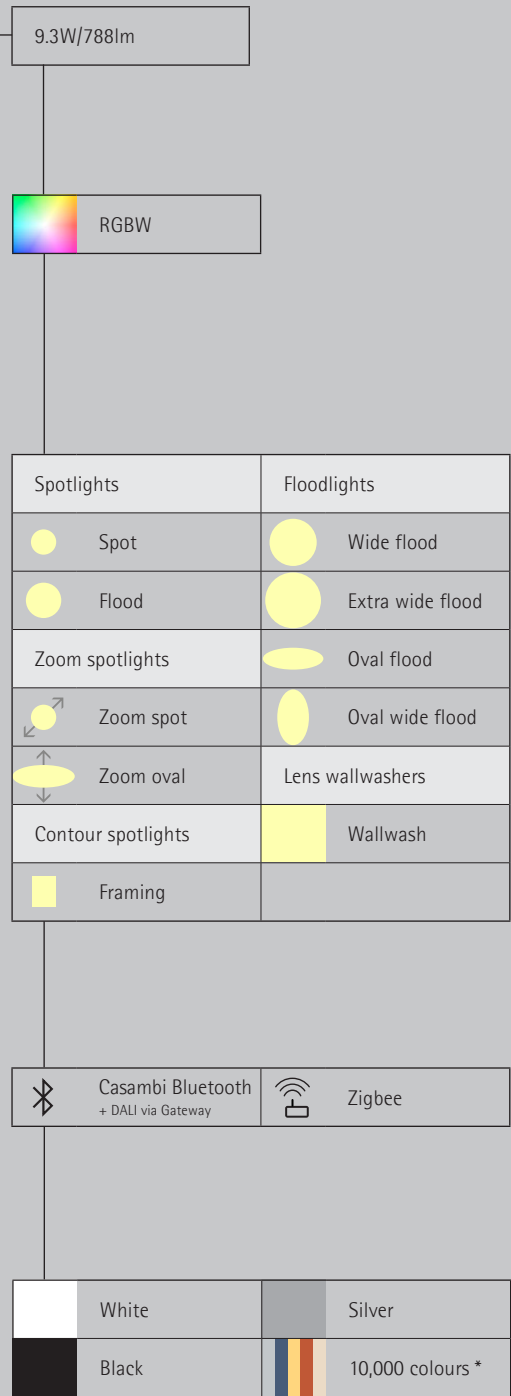
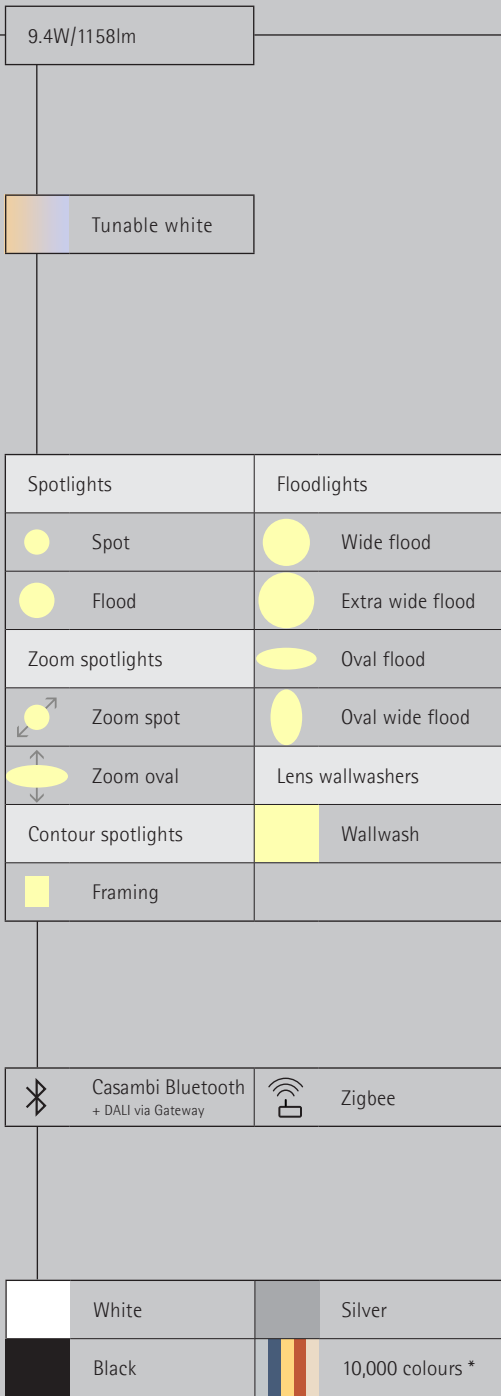
Colour (housing)

| | | | |
|--|-------|--|------------------|
| | White | | Silver |
| | Black | | 10,000 colours * |

| | | | |
|--|-------|--|------------------|
| | White | | Silver |
| | Black | | 10,000 colours * |

Accessory

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



* available on request

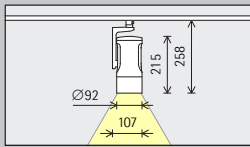
Article numbers and planning data:
www.erco.com/019322

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



Eclipse 48V for Minirail track

Size



M
Ø 92mm

LED module
Maximum value at 4000K CRI 82

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

| |
|--------------|
| 18.2W/2131lm |
|--------------|

Light colour

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

| | |
|--|---------------|
| | Tunable white |
|--|---------------|

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 | | |
| | 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 |
| | Framing | | |

Control

| | | | |
|--|---|--|--------------|
| | Switchable | | On-board Dim |
| | Casambi Bluetooth + DALI via Gateway | | Zigbee |

| | | | |
|--|---|--|--------|
| | Casambi Bluetooth + DALI via Gateway | | Zigbee |
|--|---|--|--------|

Colour (housing)

| | | | |
|--|-------|--|------------------|
| | White | | Silver |
| | Black | | 10,000 colours * |








| | | | |
|--|-------|--|------------------|
| | White | | Silver |
| | Black | | 10,000 colours * |


Accessory


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





17.9W/1476lm

 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 |
|  Framing | |

 Casambi Bluetooth
+ DALI via Gateway

 Zigbee

| | |
|---|--|
|  White |  Silver |
|  Black |  10,000 colours * |

* available on request

Article numbers and planning data:
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Design and application:
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