

Beamer – Maximum visual comfort for the highest demands

Adaptive projectors without spill light that master light and darkness in outdoor spaces

Beamer projectors are precision tools for the most demanding outdoor lighting tasks – technically on a par with the best museum spotlights. With compact and corrosion-free housings, they feature exceptional quality of light, adaptivity and digital connectivity. The light emission of their innovative darklight optics is highly uniform and without spill light. This gives the projectors maximum visual comfort and a magical appearance.

The circumstances change? Interchangeable optics including zoom, framing and wallwash adapt to new requirements, and filter and lens accessories serve for fine tuning. Options such as 0-10V, wireless dimming via Casambi Bluetooth, Tunable White and RGBW colors transform smart lighting scenarios into reality.





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 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

3 Light head

- Graphit m
- Corrosion-resistant cast aluminum, No-Rinse surface treatment
- Double powder-coated
- Non-reflective safety glass

4 Housing and hinge

- Graphit m
- Coated polymer
- Optimized surface for reduced accumulation of dirt
- 90° tilt
- Internal wiring
- Scale disc: corrosion-resistant aluminum

5 Control gear

- Switchable, 0-10V dimmable or Casambi Bluetooth

6 Mounting plate

- Graphit m, coated polymer
- Rotatable through 330°

or

connection thread G1/2

- Stainless steel
- Rotatable through 360°

Variants on request

- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
 - Housing: 10,000 further colors
- Please contact your ERCO consultant.

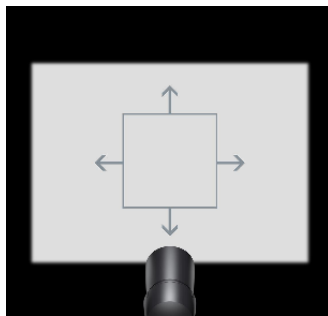


Design and application:
www.erco.com/beamer

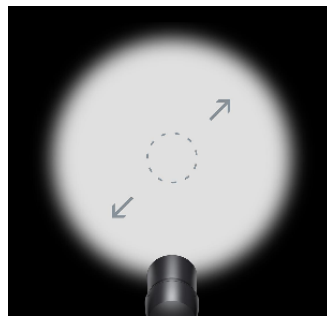
Beamer Projectors



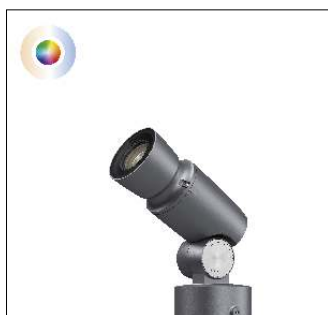
Darklight technology
The Darklight lens not only creates a magical impression with just one light point. It also offers precise, uniform light distributions and maximum visual comfort.



Contour spotlights in the outdoor area
Illuminate facades, architectural elements and logos in outdoor areas with adjustable rectangular light beams and sharp edges.



Zoom projectors
Adjustable zoom light distributions make it possible to continuously adjust beam angles. Round or oval light distribution with zoom optic can be selected between.



Staging with color
Adjust the color temperature dynamically or illuminate in color. Luminaires with tunable white or RGBW allow for scenographic lighting concepts.



Diverse accessories
Accessories enable you to match lighting tools to special applications. For example, use conversion filters to shift the light color or swap the light distribution.

| Special characteristics | |
|-------------------------|--------------------------------|
| | Efficient darklight technology |
| | Contour spotlights |
| | Zoom projectors |
| | Colored light |
| | Extensive accessories |

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

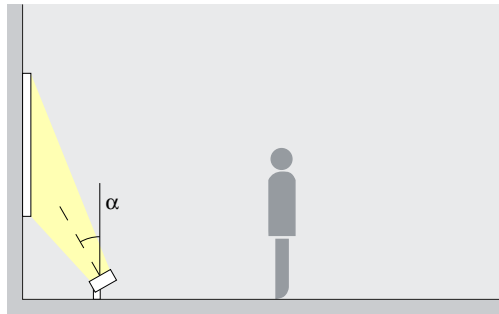
| | |
|--|-------------------------------------|
| | Excellent thermal management |
| | EMC-optimized |
| | Various construction sizes |
| | Degree scale for good adjustability |
| | Pivotable through 90° |
| | Wet location |

| | |
|--|-------------------|
| | Switchable |
| | 0-10V dimmable |
| | Casambi Bluetooth |

Beamer Projectors – Luminaire arrangement

Projectors

Narrow spot, Spot, Flood



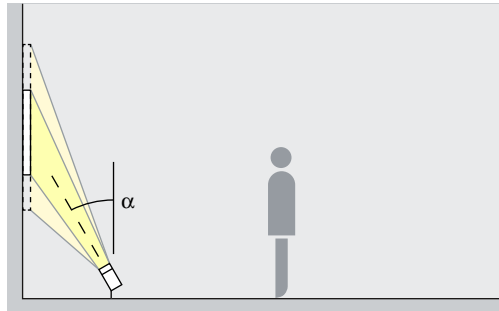
Accentuation

An angle of inclination (α) of approx. 30° is suitable for accent lighting with Beamer projectors. This emphasizes the three-dimensionality of architectural details, sculptures and trees without distorting the spatial impression with excessive shadowing.

Arrangement: $\alpha = 30^\circ$

Zoom projectors

Zoom spot, Zoom oval



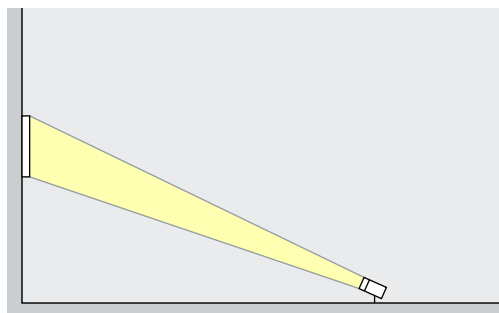
Accentuation

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

Arrangement: $\alpha = 30^\circ$

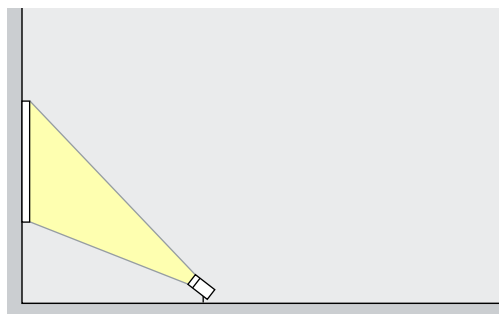
Contour spotlights

Narrow framing, Wide framing



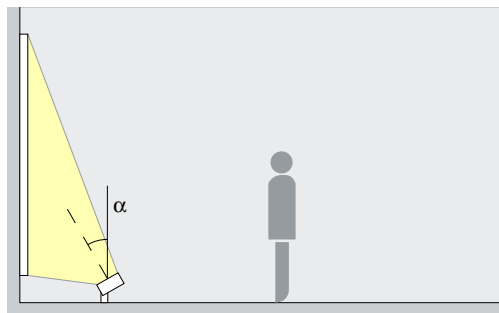
Projection

Contour spotlights allow for freely adjustable light beams to illuminate facades, logos or paintings in outdoor areas with sharp contours and without color gradients. Select narrow framing to accurately illuminate small areas from a long distance and wide framing to accurately illuminate large areas from a short distance.



Floodlights

Wide flood, Extra wide flood, Oval wide flood, Oval flood



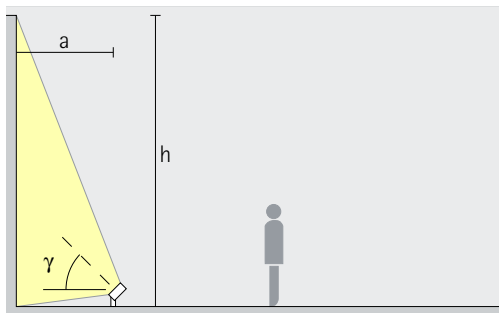
Washlighting

Beamer projectors ensure uniform floodlighting of wall surfaces or trees. The ideal angle of tilt (α) for this is approximately 30° .

Arrangement: $\alpha = 30^\circ$

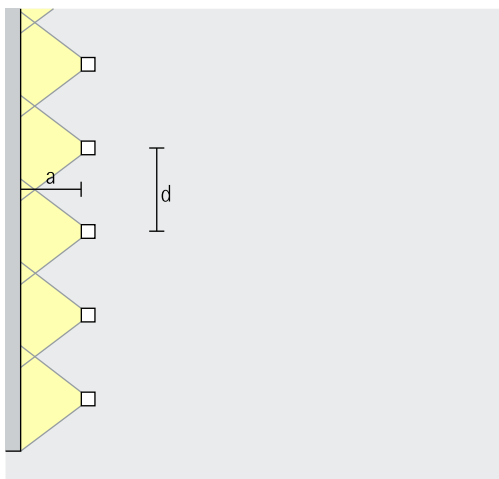
Beamer Projectors – Luminaire arrangement

Lens wallwashers
Wallwash



Wallwashing
Outdoors, uniform vertical lighting defines spatial borders. The distance to the wall (a) of Beamer wallwashers should be around one third of the wall height (h) for this purpose. This results in an angle of tilt (γ) of around 55°.

Arrangement: $a = 1/3 \times h$ or $\gamma = 55^\circ$



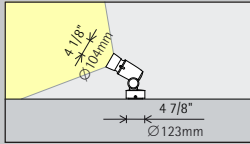
For good longitudinal uniformity, the luminaire spacing (d) of Beamer wallwashers may be up to 1.5 times the distance to the wall (a).

Arrangement: $d \leq 1.5 \times a$

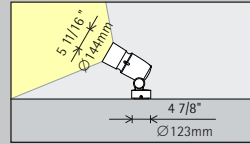
Optimal wall distances and luminaire spacing values for individual products are specified in the wall-washer tables at www.erco.com.

Beamer Projectors

Construction size



S
 \varnothing 4 1/8"



M
 \varnothing 5 11/16"

LED module Maximum value at 4000K CRI 82

| | |
|--------------|--------------------------|
| 8.1W/1086lm | 2.0W/272lm (Narrow spot) |
| 12.4W/1528lm | |

| | |
|--------------|--------------------------|
| 14.1W/1901lm | 2.0W/272lm (Narrow spot) |
| 21.6W/2673lm | |

Light color

| | | | |
|--|----------------|--|----------------|
| | 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

| Projectors | Floodlights |
|-----------------|------------------|
| Narrow spot | Wide flood |
| Spot | Extra wide flood |
| Flood | Oval flood |
| Zoom projectors | Oval wide flood |
| Zoom spot | Lens wallwashers |
| Zoom oval | Wallwash |

| Projectors | Floodlights |
|-----------------|------------------|
| Narrow spot | Wide flood |
| Spot | Extra wide flood |
| Flood | Oval flood |
| Zoom projectors | Oval wide flood |
| Zoom spot | Lens wallwashers |
| Zoom oval | Wallwash |

Control

| | |
|-------|-------------------|
| | Switchable |
| 0-10V | 0-10V |
| | Casambi Bluetooth |

| | |
|-------|-------------------|
| | Switchable |
| 0-10V | 0-10V |
| | Casambi Bluetooth |

Color (housing)

| | |
|--|-----------------|
| | Graphit m |
| | 10,000 colors * |

| | |
|--|-----------------|
| | Graphit m |
| | 10,000 colors * |

Accessories










| | | | | | |
|--|------------------|--|-----------------|--|----------------|
| | Lenses | | Ground socket | | Attachment |
| | Filter | | Concrete anchor | | Clamping plate |
| | Lens Units | | Mounting plate | | Spacer |
| | Distribution box | | Cantilever arm | | |










16.3W/1637lm

17,9W/1516lm

Tunable white

RGBW

| Projectors | Floodlights |
|---|--|
|  Spot |  Wide flood |
|  Flood |  Extra wide flood |
| Zoom projectors |  Oval flood |
|  Zoom spot |  Oval wide flood |
|  Zoom oval | Lens wallwashers |
| |  Wallwash |

| Projectors | Floodlights |
|---|--|
|  Spot |  Wide flood |
|  Flood |  Extra wide flood |
| Zoom projectors |  Oval flood |
|  Zoom spot |  Oval wide flood |
|  Zoom oval | Lens wallwashers |
| |  Wallwash |

Casambi Bluetooth

Casambi Bluetooth

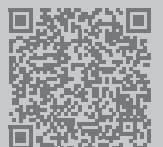
Graphit m
10,000 colors *

Graphit m
10,000 colors *

* available on request

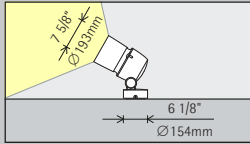
Article numbers and planning data:
www.erco.com/020811-us

Design and application:
www.erco.com/beamer



Beamer Projectors

Construction size



L
Ø 7 5/8"

LED module Maximum value at 4000K CRI 82

| | |
|--------------|-------------------------------|
| 19.9W/2729lm | 12.6W/1430lm (Narrow spot) |
| 30.5W/3882lm | |

36.5W/3343lm

Light color

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

Tunable white

Light distribution

| Projectors | Floodlights |
|--------------------|------------------|
| Narrow spot | Wide flood |
| Spot | Extra wide flood |
| Flood | Oval flood |
| Zoom projectors | Oval wide flood |
| Zoom spot | Lens wallwashers |
| Zoom oval | Wallwash |
| Contour spotlights | |
| Narrow framing | |
| Wide framing | |

| Projectors | Floodlights |
|--------------------|------------------|
| Spot | Wide flood |
| Flood | Extra wide flood |
| Zoom projectors | Oval flood |
| Zoom spot | Oval wide flood |
| Zoom oval | Lens wallwashers |
| Contour spotlights | Wallwash |
| Narrow framing | |
| Wide framing | |

Control

| | |
|-------|-------------------|
| | Switchable |
| 0-10V | 0-10V |
| | Casambi Bluetooth |

Casambi Bluetooth

Color (housing)

| | |
|--|-----------------|
| | Graphit m |
| | 10,000 colors * |












| | |
|--|-----------------|
| | Graphit m |
| | 10,000 colors * |

Accessories

| | | | | | |
|--|------------------|--|-----------------|--|----------------|
| | Lenses | | Ground socket | | Attachment |
| | Filter | | Concrete anchor | | Clamping plate |
| | Lens Units | | Mounting plate | | Spacer |
| | Distribution box | | Cantilever arm | | |

35.7W/2545lm

 RGBW

| Projectors | Floodlights |
|--|--|
|  Spot |  Wide flood |
|  Flood |  Extra wide flood |
| Zoom projectors |  Oval flood |
|  Zoom spot |  Oval wide flood |
|  Zoom oval | Lens wallwashers |
| Contour spotlights |  Wallwash |
|  Narrow framing | |
|  Wide framing | |

 Casambi Bluetooth

 Graphit m
 10,000 colors *

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