

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 or wall-wash
- Zoom lenses: zoom spot; 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 with CRI 92
- Housing: 10,000 further colors

Please contact your ERCO consultant.



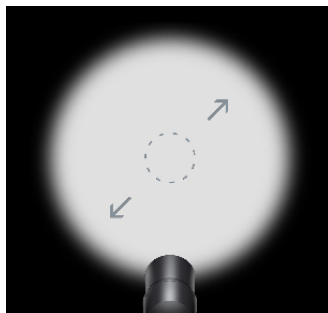
Design and application:
www.erco.com/beamer

Beamer Projectors



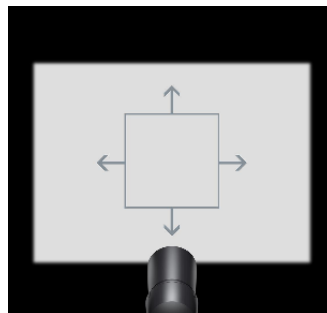
Darklight technology

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.



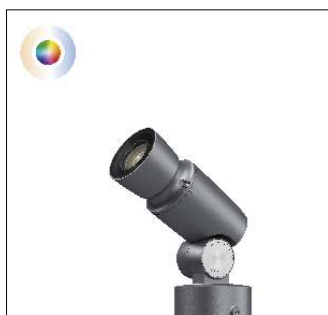
Zoom projectors

The adjustable zoom light distribution allows the beam angle to be infinitely adjusted.



Contour spotlights in the outdoor area

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



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



Zoom projectors



Contour spotlights



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

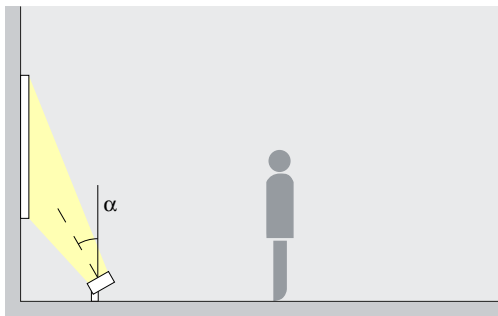


Casambi Bluetooth

Beamer Projectors – Luminaire arrangement

Projectors

Narrow spot, Spot, Flood

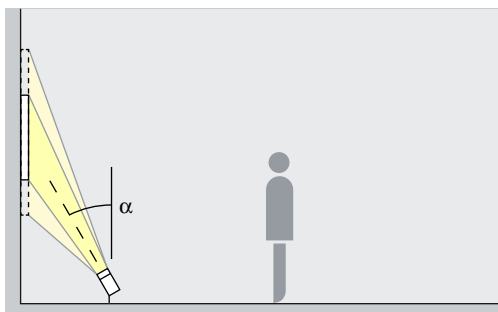


An angle of inclination (α) of approx. 30° is suitable for accent lighting with Beamer projectors. This emphasizes the three-dimensionality of architectural details, sculptures and trees without distorting the spatial impression with excessive shadowing.

Arrangement: $\alpha = 30^\circ$

Zoom projectors

Zoom spot

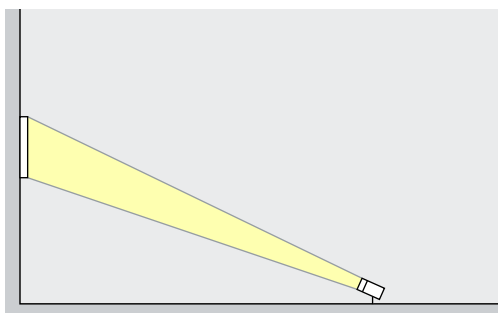


Zoom projectors feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller objects can be accentuated effectively at an inclination angle (α) of approximately 30° . The object is modeled without distorting the effect as a result of excessive shadowing. It also prevents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

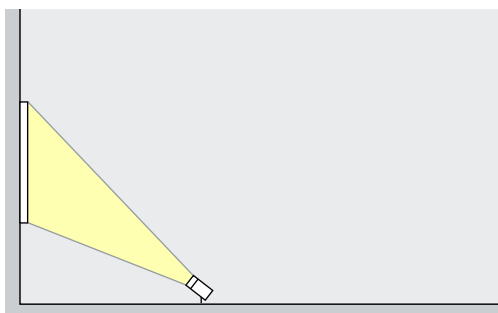
Arrangement: $\alpha = 30^\circ$

Contour spotlights

Narrow framing, Wide framing

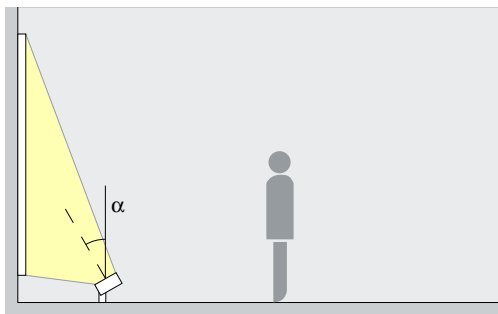


Contour spotlights allow for freely adjustable light beams to illuminate facades, logos or paintings in outdoor areas with sharp contours and without color gradients. Select narrow framing to accurately illuminate small areas from a long distance and wide framing to accurately illuminate large areas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



Floodlights

Wide flood, Extra wide flood, Oval flood

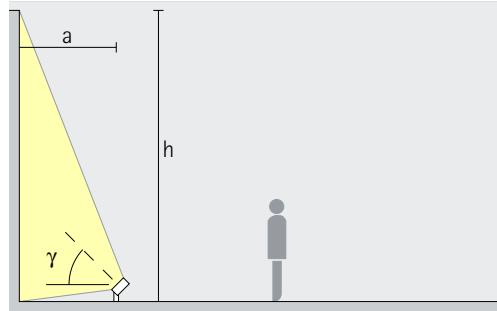


Beamer projectors ensure uniform floodlighting of wall surfaces or trees. The ideal angle of tilt (α) for this is approximately 30° .

Arrangement: $\alpha = 30^\circ$

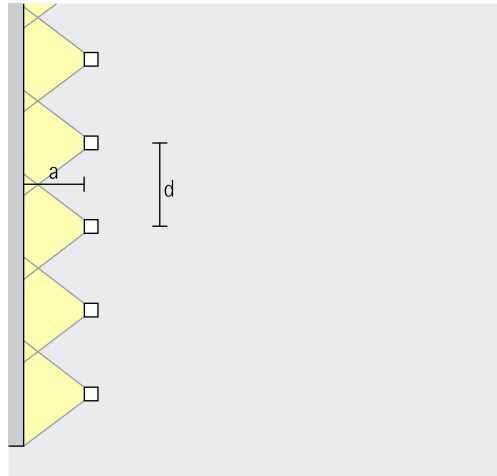
Beamer Projectors – Luminaire arrangement

Lens wallwashers Wallwash



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 $\gamma = 55^\circ$



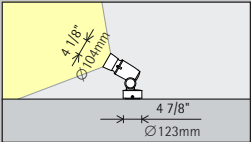
For good longitudinal uniformity, the luminaire spacing (d) of Beamer wallwashers may be up to 1.5 times the distance to the wall (a).

Arrangement: $d \leq 1.5 \times a$

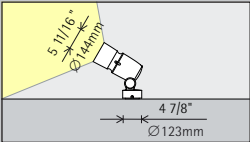
Optimal wall distances and luminaire spacing values for individual products are specified in the wall-washer tables at www.erco.com.

Beamer Projectors

Construction size



S
Ø 4 1/8"



M
Ø 5 11/16"

LED module
Maximum value
at 4000K CRI 92

8.1W/1149lm	2.0W/241lm (Narrow spot)
12.4W/1618lm	

14.1W/2010lm	2.0W/241lm (Narrow spot)
21.7W/2831lm	

Light color

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

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

Light
distribution

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

Projectors	Floodlights
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Zoom spot	Wallwash

Control

	Switchable
0-10V	0-10V
	Casambi Bluetooth

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0-10V	0-10V
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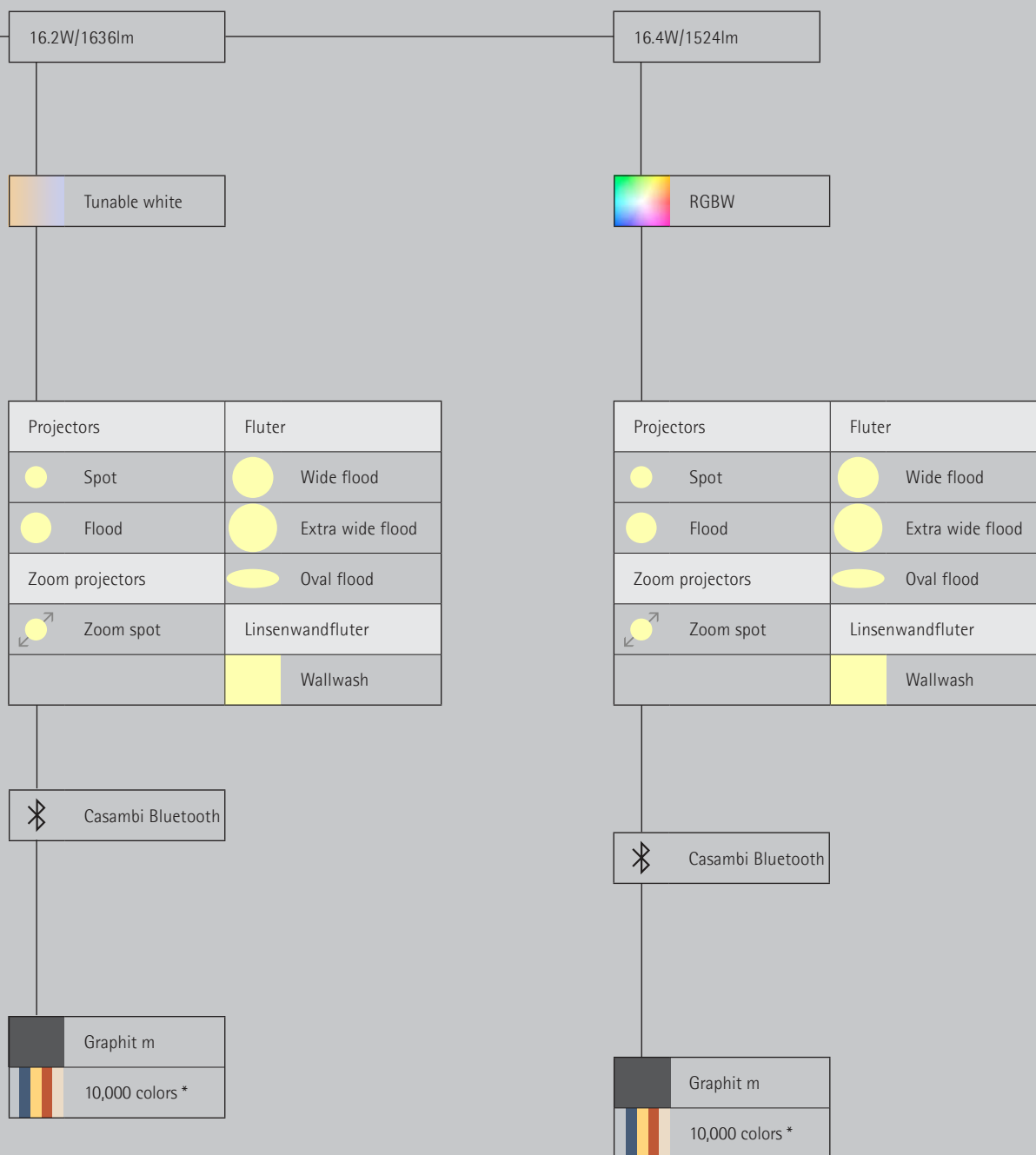
Color (housing)

	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		

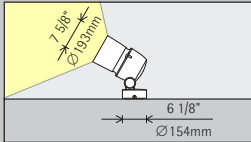


* available on request



Beamer Projectors

Construction size



L
Ø 7 5/8"

LED module
Maximum value
at 4000K CRI 92

19.9W/2992lm	8.8W/1278lm (Narrow spot)
30.5W/4256lm	

24.3W/2454lm

Light color

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

	Tunable white
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Light
distribution

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

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

Control

	Switchable
0-10V	0-10V
	Casambi Bluetooth

	Casambi Bluetooth
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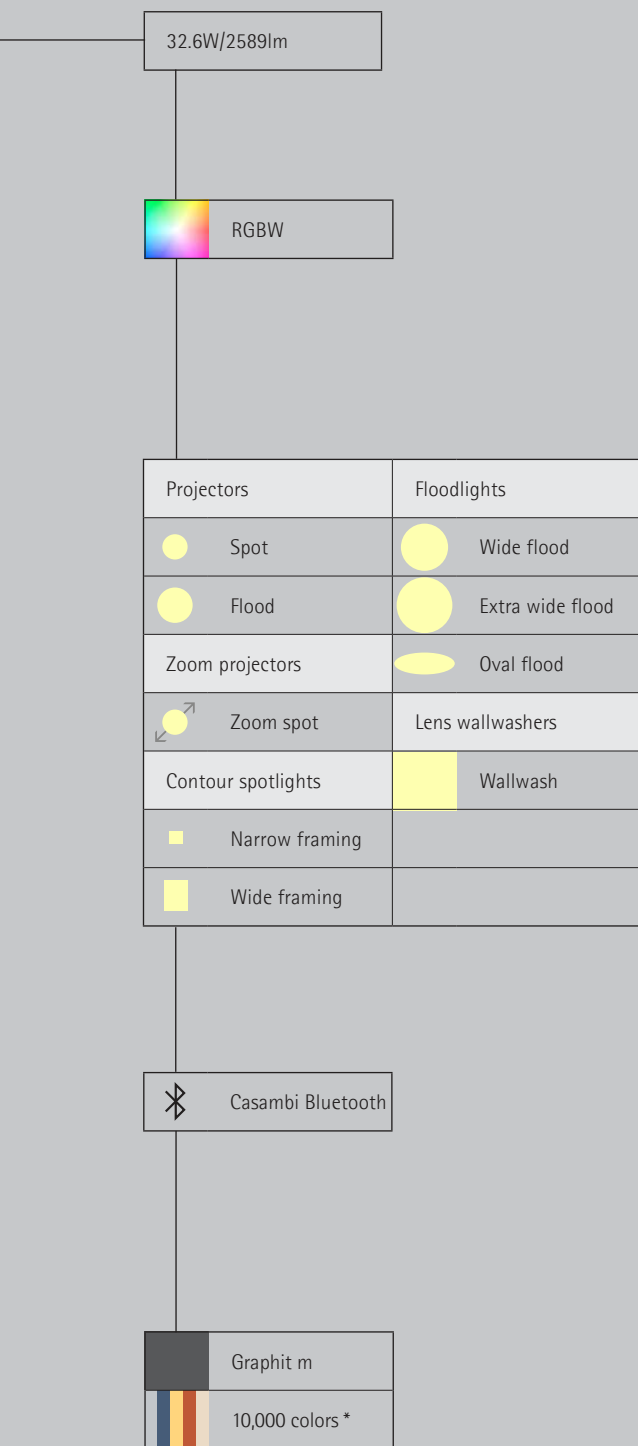
Color (housing)

	Graphit m
	10,000 colors *

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	10,000 colors *

Accessories

	Lenses		Ground socket		Attachment
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