

# 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.

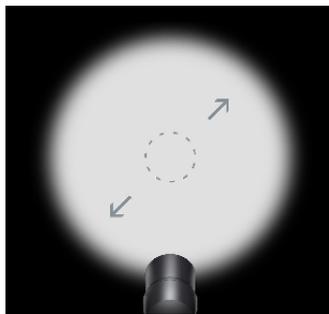


Design and application:  
[www.erco.com/beamer](http://www.erco.com/beamer)

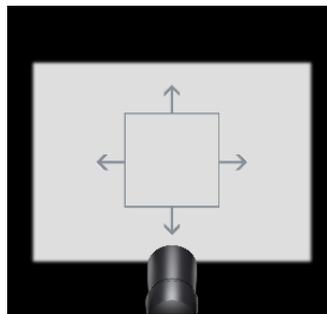
# Beamer Projectors



**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

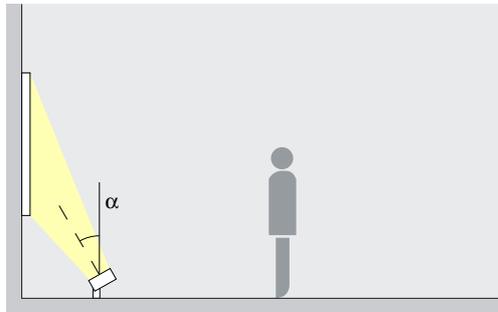


Casambi Bluetooth

# Beamer Projectors – Luminaire arrangement

## Projectors

Narrow spot, Spot, Flood

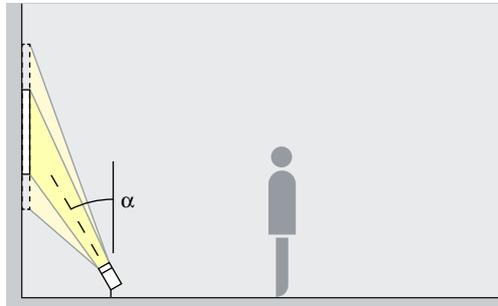


An angle of inclination ( $\alpha$ ) of approx.  $30^\circ$  is suitable for accent lighting with Beamer projectors. This emphasizes the three-dimensionality of architectural details, sculptures and trees without distorting the spatial impression with excessive shadowing.

Arrangement:  $\alpha = 30^\circ$

## Zoom projectors

Zoom spot

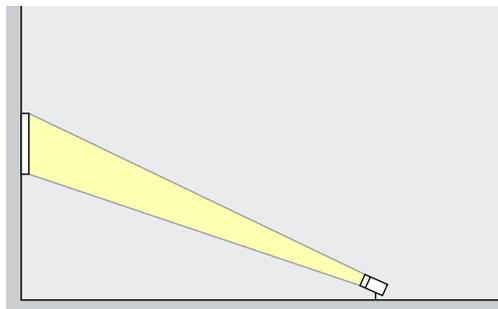


Zoom projectors feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller objects can be accentuated effectively at an inclination angle ( $\alpha$ ) of approximately  $30^\circ$ . The object is modeled without distorting the effect as a result of excessive shadowing.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

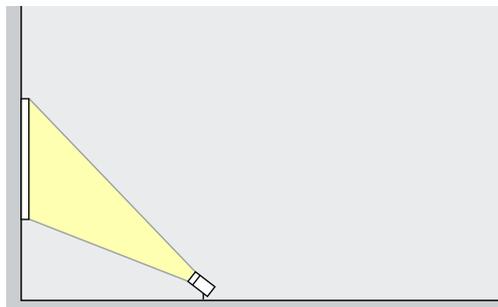
Arrangement:  $\alpha = 30^\circ$

## Contour spotlights

Narrow framing, Wide framing

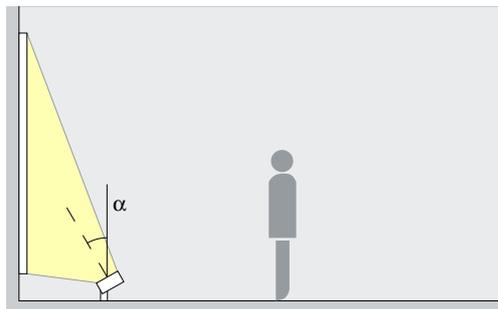


Contour spotlights allow for freely adjustable light beams to illuminate facades, logos or paintings in outdoor areas with sharp contours and without color gradients. Select narrow framing to accurately illuminate small areas from a long distance and wide framing to accurately illuminate large areas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



## Floodlights

Wide flood, Extra wide flood, Oval flood

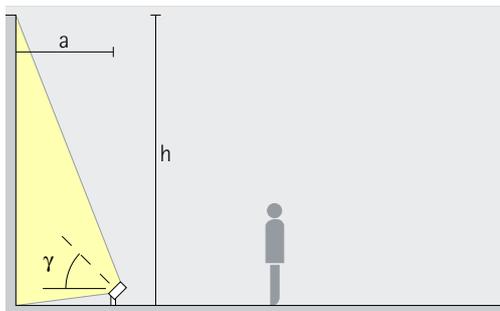


Beamer projectors ensure uniform floodlighting of wall surfaces or trees. The ideal angle of tilt ( $\alpha$ ) for this is approximately  $30^\circ$ .

Arrangement:  $\alpha = 30^\circ$

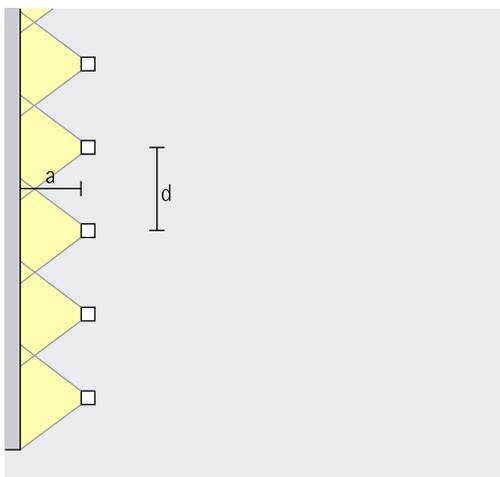
# Beamer Projectors – Luminaire arrangement

## 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 ( $\gamma$ ) of around 55°.

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



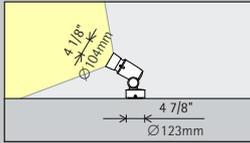
For good longitudinal uniformity, the luminaire spacing (d) of Beamer wallwashers may be up to 1.5 times the distance to the wall (a).

Arrangement:  $d \leq 1.5 \times a$

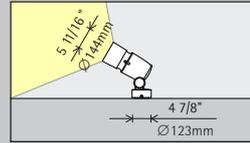
Optimal wall distances and luminaire spacing values for individual products are specified in the wall-washer tables at [www.erco.com](http://www.erco.com).

# Beamer Projectors

## Construction size



**S**  
 $\varnothing$  4 1/8"



**M**  
 $\varnothing$  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

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Zoom spot	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		

16.2W/1636lm

Tunable white

Projectors	Fluter
 Spot	 Wide flood
 Flood	 Extra wide flood
Zoom projectors	 Oval flood
 Zoom spot	Linsenwandfluter
	 Wallwash

Casambi Bluetooth

Graphit m  
10,000 colors \*

16.4W/1524lm

RGBW

Projectors	Fluter
 Spot	 Wide flood
 Flood	 Extra wide flood
Zoom projectors	 Oval flood
 Zoom spot	Linsenwandfluter
	 Wallwash

Casambi Bluetooth

Graphit m  
10,000 colors \*

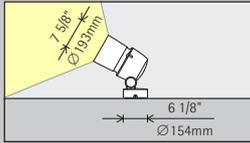
\* available on request

[www.erco.com/beamer](http://www.erco.com/beamer)



# 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
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## 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 *

	Graphit m
	10,000 colors *

## Accessories

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

32.6W/2589lm

 RGBW

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

 Casambi Bluetooth

 Graphit m  
 10,000 colors \*

\* available on request

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