

# Beamer – Maximum visual comfort for the highest demands

## **Adaptable 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 dark-light 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 filters and lenses serve as accessories for fine tuning. Options such as DALI, wireless dimming via Casambi Bluetooth, Tunable White and RGBW colours 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 aluminium, no-rinse surface treatment
- Double powder-coated
- Non-reflective safety glass

### 4 Housing and hinge

- Graphit m
- Coated polymer
- Optimised surface for reduced accumulation of dirt
- 90° tilt
- Internal wiring
- Dial: corrosion-resistant aluminium

### 5 Control gear

- Switchable, DALI 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 colours
- Please contact your ERCO consultant.

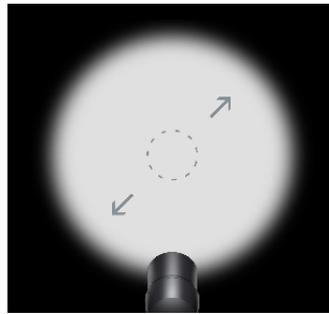


Design and application:  
[www.erco.com/beamer](http://www.erco.com/beamer)

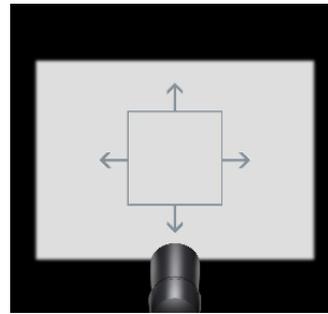
# Beamer Projectors



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



**Zoom projector**  
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 colour**  
Adjust the colour temperature dynamically or illuminate in colour. Luminaires with tunable white or RGBW allow for scenographic lighting concepts.



**Diverse accessories**  
Accessories enable you to match lighting tools to special applications. Use conversion filters to shift the light colour, or change the light distribution.

Special characteristics	
	Efficient darklight technology
	Zoom projector
	Contour spotlights
	Coloured light
	Extensive accessories

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

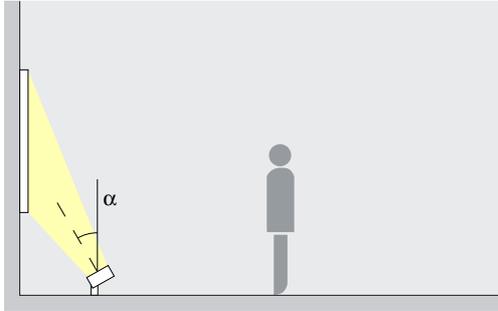
	Excellent thermal management
	EMC-optimised
	Various construction sizes
	Degree scale for good adjustability
	Pivotable through 90°
	Protection mode IP65

	Switchable
	DALI dimmable
	Casambi Bluetooth

# Beamer Projectors – Luminaire arrangement

## Projectors

Narrow spot, Spot, Flood

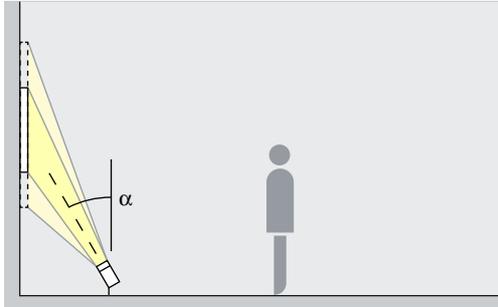


An angle of inclination ( $\alpha$ ) of approx.  $30^\circ$  is suitable for accent lighting with Beamer projectors. This emphasises the three-dimensions of architectural details, sculptures and trees without distorting the spatial impression with excessive shadowing.

Arrangement:  $\alpha = 30^\circ$

## Zoom projectors

Zoom spot

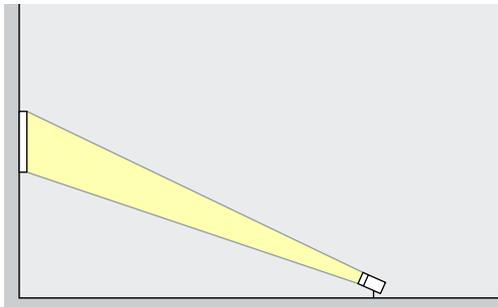


Zoom projectors feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller objects can be accentuated effectively at an inclination angle ( $\alpha$ ) of approximately  $30^\circ$ . The object is modelled without distorting the effect as a result of excessive shadowing.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

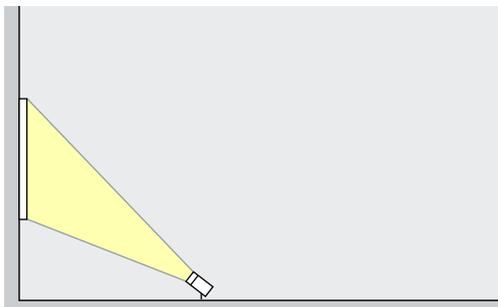
Arrangement:  $\alpha = 30^\circ$

## Contour spotlights

Narrow framing, Wide framing

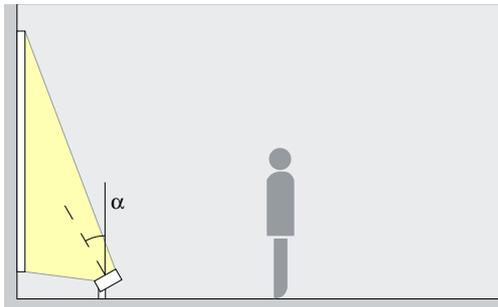


Contour spotlights allow for freely adjustable light beams to illuminate facades, logos or paintings in outdoor areas with sharp contours and without colour gradients. Select narrow framing to accurately illuminate small areas from a long distance and wide framing to accurately illuminate large areas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



## Floodlights

Wide flood, Extra wide flood, Oval flood

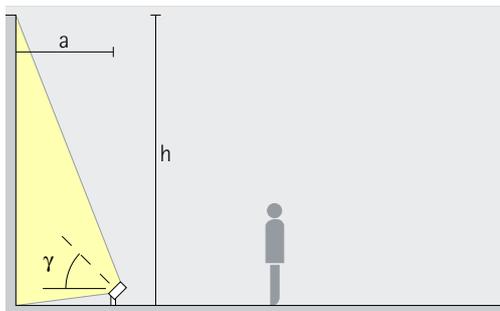


Beamer projectors ensure uniform floodlighting of wall surfaces or trees. The ideal angle of tilt ( $\alpha$ ) for this is approximately  $30^\circ$ .

Arrangement:  $\alpha = 30^\circ$

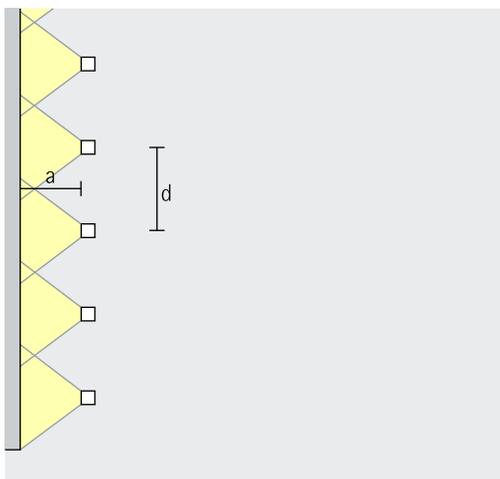
# Beamer Projectors – Luminaire arrangement

## 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 (γ) of approx. 55°.

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



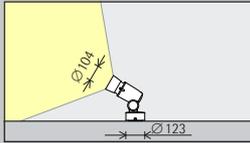
For good longitudinal uniformity, the luminaire spacing (d) of Beamer wallwashers may be up to 1.5 times the distance to the wall (a).

Arrangement:  $d \leq 1.5 \times a$

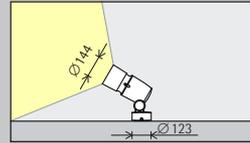
Optimal wall distances and luminaire spacing values for individual products are specified in the wall-washer tables at [www.erco.com](http://www.erco.com).

# Beamer Projectors

Size



**S**  
Ø 104mm



**M**  
Ø 144mm

**LED module**  
Maximum value at 4000K CRI 92

8.1W/1149lm	3.1W/339lm (Narrow spot)
12.4W/1618lm	

14.1W/2010lm	4.2W/426lm (Narrow spot)
21.7W/2831lm	

Light colour

	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
Narrow spot	Wide flood
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Zoom projectors	Lens wallwashers
Zoom spot	Wallwash

Control

	Switchable
	DALI
	Casambi Bluetooth

	Switchable
	DALI
	Casambi Bluetooth

Colour (housing)

	Graphit m
	10,000 colours *

	Graphit m
	10,000 colours *

Accessory

	Lenses		Anchorage unit		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

 DALI

 Casambi Bluetooth

Graphit m

 10,000 colours \*

16.4W/1524lm

RGBW

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

 DALI

 Casambi Bluetooth

Graphit m

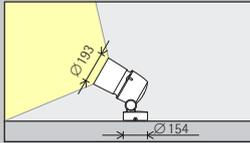
 10,000 colours \*

\* available on request



# Beamer Projectors

Size



L  
∅ 193mm

LED module  
Maximum value  
at 4000K CRI 92

19.9W/2992lm	12.7W/1278lm (Narrow spot)
30.5W/4256lm	

36.5W/3343lm
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Light colour

	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
	DALI
	Casambi Bluetooth

	DALI
	Casambi Bluetooth

Colour (housing)

	Graphit m
	10,000 colours *

	Graphit m
	10,000 colours *

Accessory

	Lenses		Anchorage unit		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	

 DALI

 Casambi Bluetooth

 Graphit m

 10,000 colours \*

\* available on request

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