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 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

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 300°

or

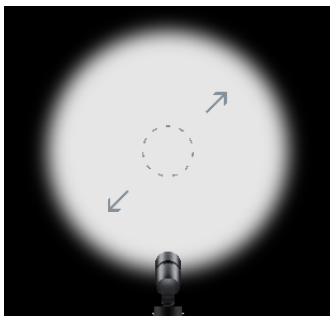
connection thread G1/2
- Stainless steel
- Rotatable through 360°

Variants on request
- High-power LEDs: 3000K CRI 97 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colors

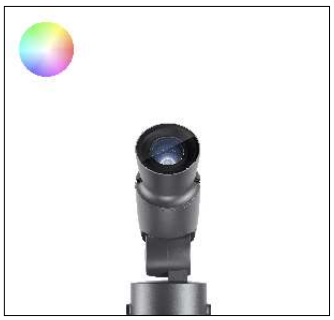
Please contact your ERCO consultant.

Design and application:
www.erco.com/beamer

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



RGBW luminaires
Using colored light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate colored light very efficiently and flexibly.

Tunable white technology
Tunable white enables you to dynamically adjust the light color. Always illuminate art or the surfaces of materials perfectly and highlight colors ideally.

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 low brightness technology
- Zoom projectors
- Colored light
- Tunable white
- Extensive accessories

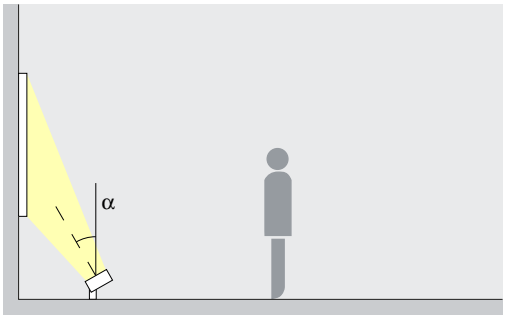
- ERCO high-power LEDs
- Optical cut-off 40°/50°/60° from horizontal
- Different light distributions
- Oval flood, freely rotatable
- Different light colors

- 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, floodlights, wallwashers – Luminaire arrangement

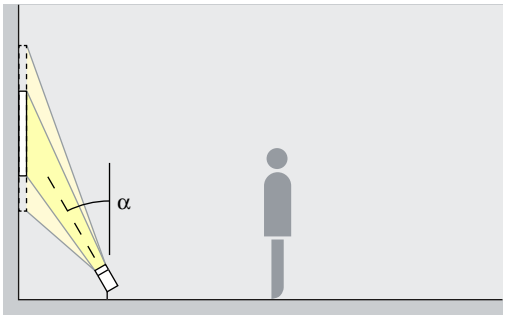
Projectors
Narrow spot, Spot, Flood



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: α = 30°

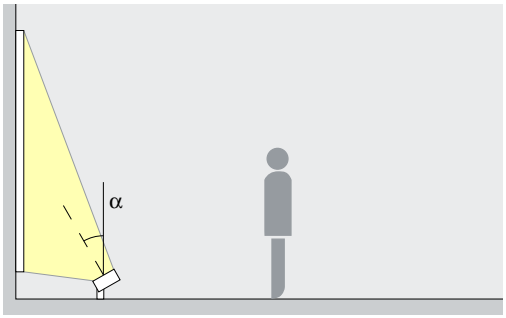
Zoom projectors
Zoom spot, Zoom oval



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: α = 30°

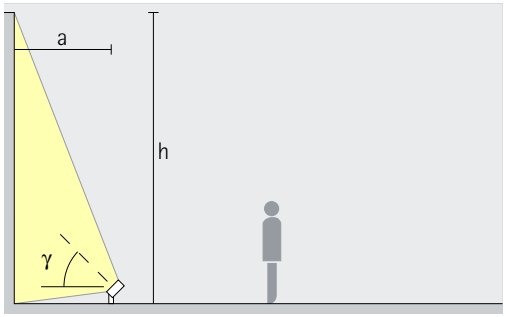
Floodlights
Wide flood, Extra wide flood, Oval wide flood, Oval flood



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

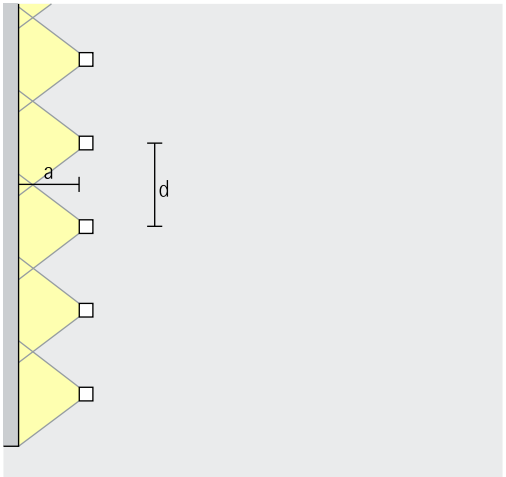
Arrangement: α = 30°

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 x h or γ = 55°



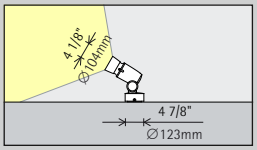
For good longitudinal uniformity, the luminaire spacing (d) of Beamer wallwashers may be up to 1.2 times the distance to the wall (a).

Arrangement: d ≤ 1.2 x a

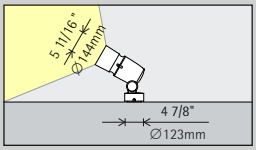
Optimal wall distances and luminaire spacing values for individual products are specified in the wallwasher tables at www.erco.com.

Beamer Projectors, floodlights, wallwasher

Construction size



S
Ø 4 1/8"



M
Ø 5 11/16"

LED module
Maximum value at 4000K CRI 82

S		M	
8.1W/1086lm	2.0W/272lm (Narrow spot)	14.1W/1901lm	2.0W/272lm (Narrow spot)
12.4W/1528lm		21.6W/2673lm	

Light color

S			M		
2700K CRI 92 *		3500K CRI 92 *	2700K CRI 92 *		3500K CRI 92 *
3000K CRI 92		4000K CRI 82	3000K CRI 92		4000K CRI 82
3000K CRI 97 *		4000K CRI 92 *	3000K CRI 97 *		4000K CRI 92 *

Light distribution

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

Control

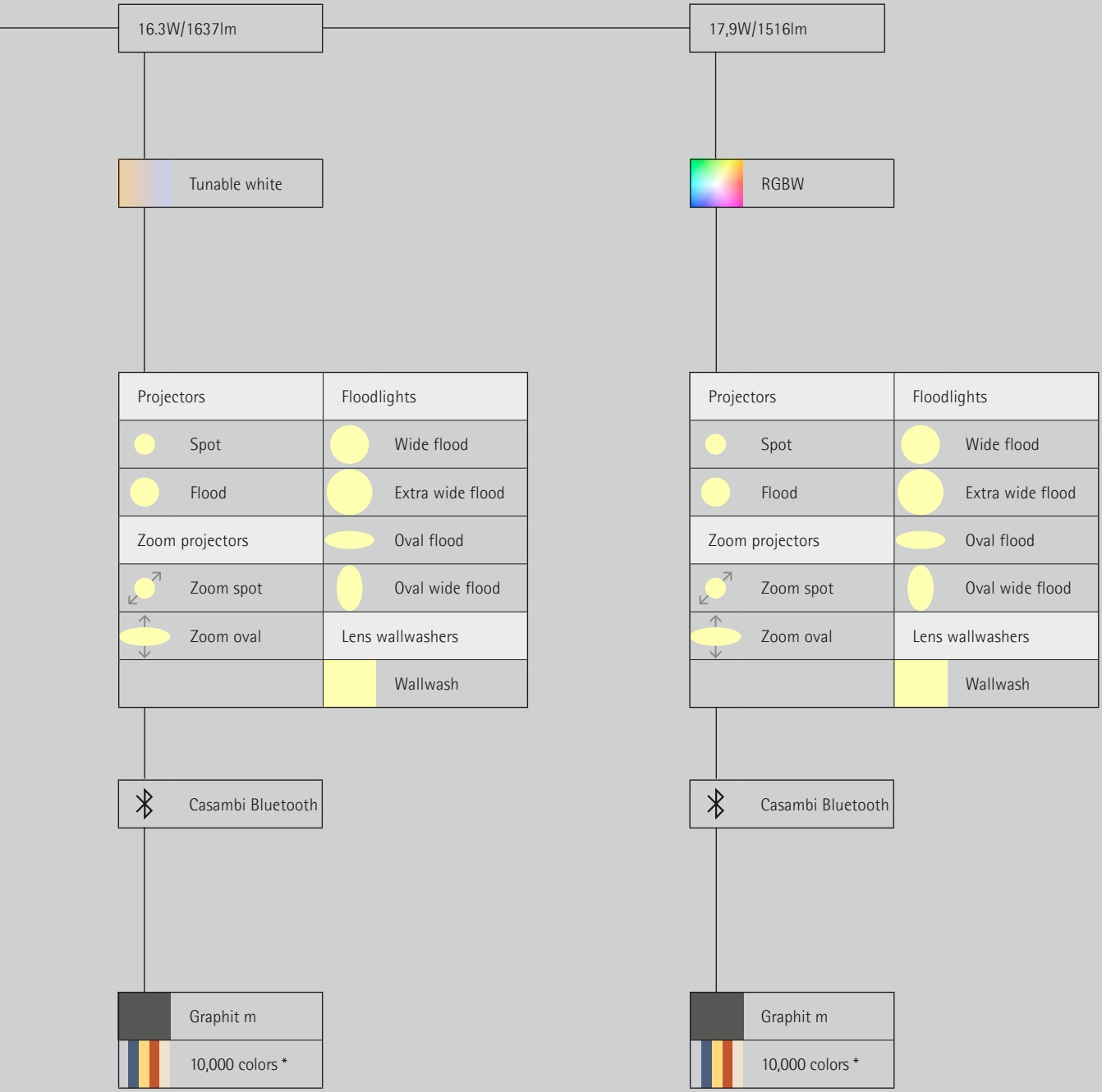
S		M	
Switchable		Switchable	
0–10V	0-10V	0–10V	0-10V
Casambi Bluetooth		Casambi Bluetooth	

Color (housing)

S		M	
Graphit m		Graphit m	
10,000 colors *		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

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Design and application:
www.erco.com/beamer