Beamer New – Maximum visual comfort for the highest demands

Adaptable projectors without spill light that master light and darkness in outdoor spaces
Beamer New 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 wall-wash 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, 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 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 300°

or

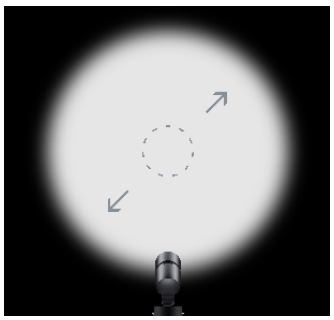
Connection thread G1/2
- Stainless steel
- Rotatable through 360°

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

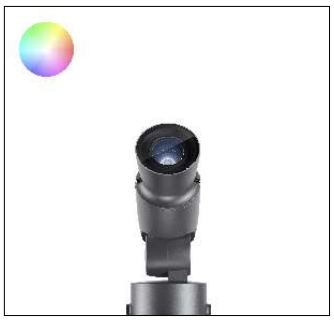
Please contact your ERCO consultant.

Design and application:
www.erco.com/beamer-new

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
Adjustable zoom light distributions make it possible to infinitely adjust beam angles. A choice of round or oval light distribution with zoom optic is available.



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

Tunable white technology
You can dynamically adjust the light colour with tunable white. Always illuminate art or the surfaces of materials perfectly and ideally highlight colours.

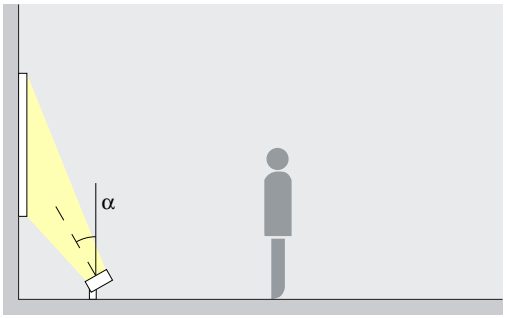
Diverse accessories
Accessories enable you to match lighting tools to special applications. Use conversion filters to shift the light colour, or change the light distribution.

Special characteristics

- Efficient darklight technology
- Zoom projector
- Coloured light
- Tunable white
- 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 New Projectors, floodlights, wallwashers – Luminaire arrangement

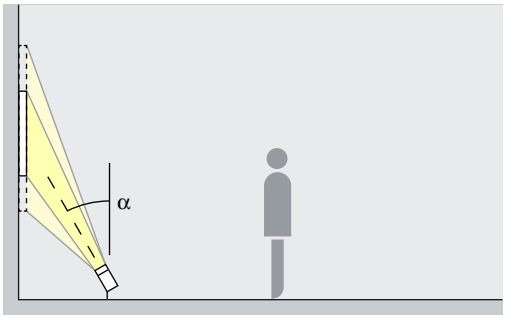
Projectors
Narrow spot, Spot, Flood



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

Arrangement: α = 30°

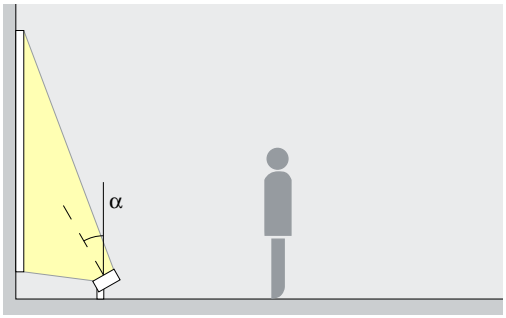
Zoom projectors
Zoom spot, Zoom oval



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 linear-shaped objects. The object is modelled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: α = 30°

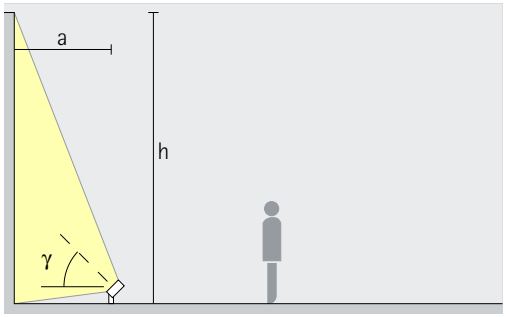
Floodlights
Wide flood, Extra wide flood, Oval wide flood, Oval flood



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

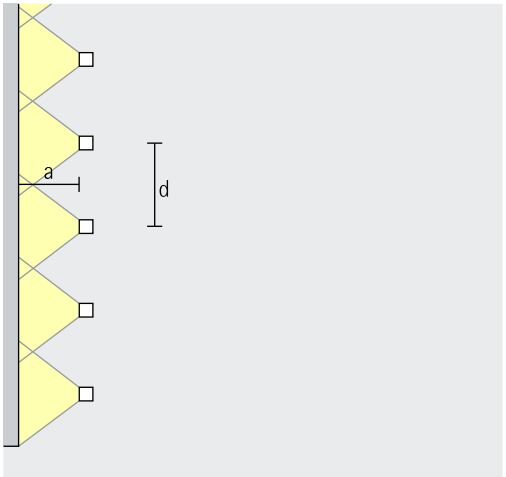
Arrangement: α = 30°

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 approx. 55°.

Arrangement: a = 1/3 x h or γ = 55°



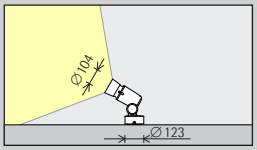
For good longitudinal uniformity, the luminaire spacing (d) of Beamer wallwashers may be up to 1.2 times the distance to the wall (a).

Arrangement: d ≤ 1.2 x a

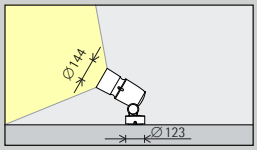
Optimal wall distances and luminaire spacing values for individual products are specified in the wallwasher tables at www.erco.com.

Beamer New Projectors, floodlights, wallwasher

Size



S
Ø 104mm



M
Ø 144mm

LED module
Maximum value at 4000K CRI 82

8.1W/1056lm	3.1W/371lm (Narrow spot)
12.4W/1484lm	

14.1W/1847lm	4.2W/467lm (Narrow spot)
21.6W/2598lm	

Light colour

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

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Control

Switchable
DALI
Casambi Bluetooth

Switchable
DALI
Casambi Bluetooth

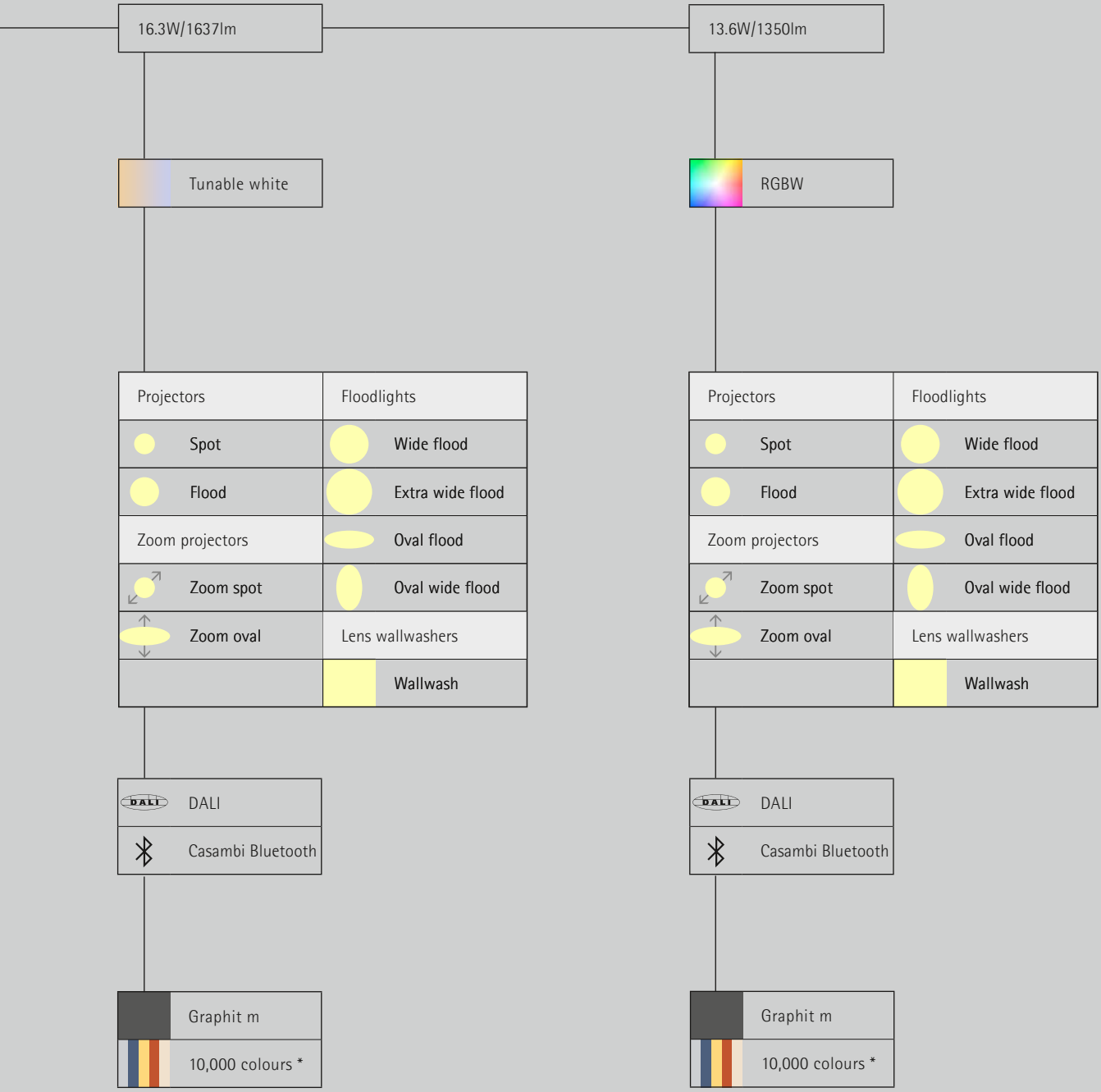
Colour (housing)

Graphit m
10,000 colours *

Graphit m
10,000 colours *

Accessory

Lenses	Anchorage unit	Attachment
Filter	Concrete anchor	Clamping plate
Lens Units	Mounting plate	Adapter piece
Distribution box	Cantilever arm	Spacer



* available on request

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

Design and application:
www.erco.com/beamer-new