



Pollux New – Pure, compact and efficient accent lighting

Focussed on the essentials, without compromising on light quality: This is the character of the Pollux New spotlights, which offer an exceptionally good price-performance ratio. In-house developed and produced drivers and LED modules ensure excellent efficiency. The deliberate limitation to two compact sizes and seven fixed light distributions allows for clear and easy planning of the spotlight family. Interchangeable Spherolit optics are equally impressive in spotlights and wallwashers, thanks to their precise, uniform light distribution. The proven ERCO Transadapter con-

nects Pollux New with ERCO track and enables digital connectivity via DALI or Bluetooth Casambi for seamless integration into smart control systems.



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 Spherolit lens

- Light distributions: narrow spot, spot, flood, wide flood, extra wide flood, oval flood or wallwash
- Oval flood 360° rotation

2 ERCO LED-module

- High-power LEDs: warm white (2700K or 3000K) or neutral white (3500K or 4000K)
- Collimating lens made of optical polymer

3 Housing and bracket

- White (RAL9002), black or silver
- Cast aluminium, powder-coated
- 0°-90° tilt
- Bracket on transadapter rotatable through 360°
- Internal wiring

4 Control gear

- On-board Dim, DALI dimmable or Casambi Bluetooth
- On-board Dim version: rotary control for control of brightness on the luminaire

5 ERCO transadapter or ERCO DALI transadapter

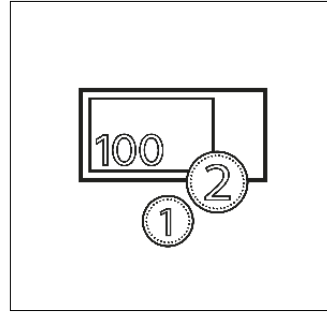
Variants on request

- Housing: 10,000 further colours
- Please contact your ERCO consultant.



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

Pollux New for track 220-240V



Power boost

Equipped with state-of-the-art components: In-house manufactured control gear, upgraded LED modules, and optimized thermal management give Pollux up to 33% more light output.

Oval flood freely rotatable

The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.

Very good price performance ratio

The entry-level products offer an attractive price/performance ratio for lighting design tasks especially oriented towards cost-effectiveness. The luminaires of course meet high levels of energy efficiency and the basic requirements for visual comfort.

Special characteristics



Power boost



Oval flood, freely rotatable



Very good price performance ratio



ERCO high-power LEDs



Efficient Spherolit technology



Different light distributions



Different light colours



Excellent thermal management



EMC-optimised



Various housing colours



Pivotable through 90°



Accessory for maximum visual comfort



On-board Dim



DALI dimmable

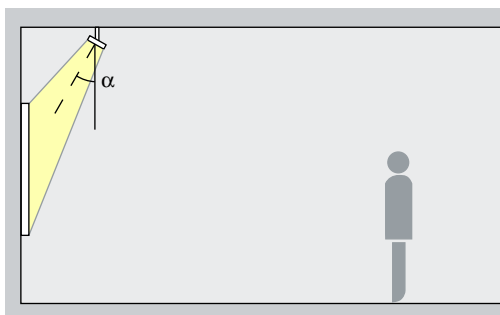


Casambi Bluetooth

Pollux New for track 220-240V – Luminaire arrangement

Spotlights

Narrow spot, Spot, Flood



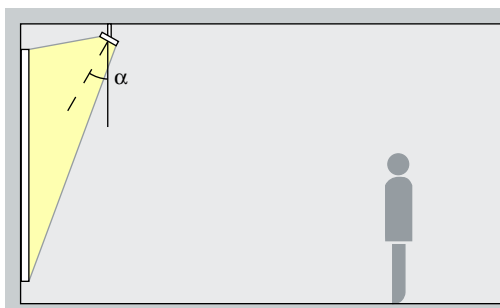
Accentuation

Pollux spotlights effectively accentuate artwork, products and architectural details. The ideal angle of tilt (α) for these applications is around 30° to model the object without distorting the effect as a result of excessive shadowing. This set-up also prevents shadows cast by the observer.

Arrangement: $\alpha = 30^\circ$

Floodlights

Wide flood, Extra wide flood, Oval flood



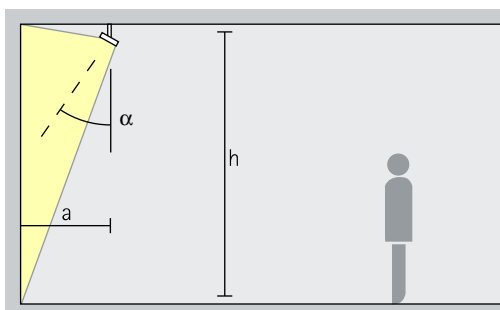
Washlighting

The ideal angle of tilt (α) for floodlighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30°.

Arrangement: $\alpha = 30^\circ$

Lens wallwashers

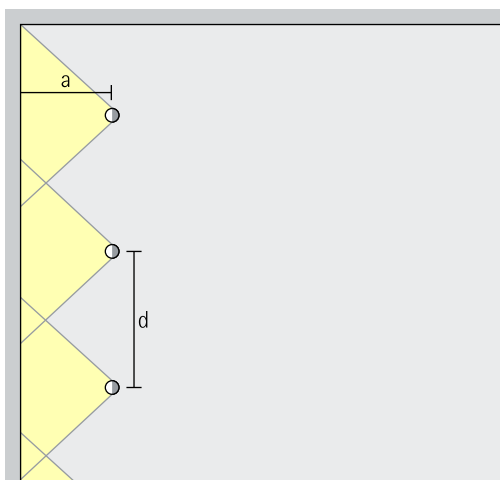
Wallwash



Wallwashing

For uniform vertical illuminance, the distance (a) of Pollux lens wallwashers from the wall should be around one third of the room height (h). This results in an angle of tilt (α) of approx. 35°.

Arrangement: $a = 1/3 \times h$ or $\alpha = 35^\circ$



For good longitudinal uniformity, the distance (d) between Pollux lens wallwashers may be up to 1.2 times the distance to the wall (a).

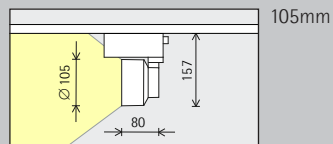
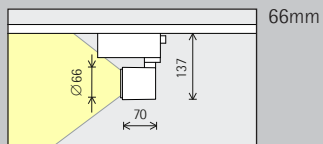
Arrangement: $d \leq 1.2 \times a$

Old Masters Picture Gallery / Dresden State Art Collections. Architecture: Saxon Real Property and Construction Management, Dresden; Sunder-Plassmann Architects; Sichau & Walter Architects. Interior design: KKS Architektur und Gestaltung, Dresden; A-Team, Dresden. Lighting design: Dresden State Art Collections; Pontonero-Light, Dresden. Electrical engineering: INNIUS GTD GmbH, Dresden. Photography: Edgar Zippel.



Pollux New for track 220-240V

Construction size



LED module Maximum value at 4000K CRI 92

8.1W/1048lm	3.1W/369lm (Narrow spot)
12.4W/1476lm	

14.1W/1905lm	6.2W/738lm (Narrow spot)
21.8W/2715lm	

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

Spotlights	Floodlights
Narrow spot	Wide flood
Spot	Extra wide flood
Flood	Oval flood
Lens wallwashers	
Wallwash	

Spotlights	Floodlights
Narrow spot	Wide flood
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Wallwash	

Control

	On-board Dim
	DALI
	Casambi Bluetooth

	On-board Dim
	DALI
	Casambi Bluetooth

Colour (housing)

	White		Silver
	Black		10,000 colours *

	White		Silver
	Black		10,000 colours *

Accessories

	Lenses		Cross-baffle
	Snoot		Honeycomb anti-glare screen

* available on request

Article numbers and planning data:
www.erco.com/029198

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





ZIEGERT Knight
Frank, Frankfurt.
Architecture:
Studio Paul Bauer,
Frankfurt; Oskar
Melzer, Frankfurt.
Lighting design:
Studio Paul Bauer,
Frankfurt; Oskar
Melzer, Frankfurt.
Photography:
Lukas Palik.