



Pollux New – Pure, compact and efficient accent lighting

Focused 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. Deliberately limiting the family to two compact sizes and eight fixed light distributions makes the spotlight family clear and efficient for planning purposes. Interchangeable Spherolit optics are equally impressive in spotlights and wallwashers, thanks to their precise, uniform light distribution. The

proven ERCO Transadapter connects 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

or

Attachment (contour spotlight)

- Rotatable through 360°
- Framing attachment
- Holder with projection lens, continuously focusable

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) or black
- 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.



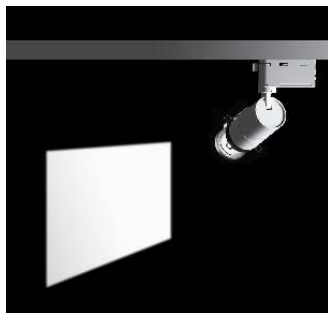
Design and application:
www.erco.com/pollux-new

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.



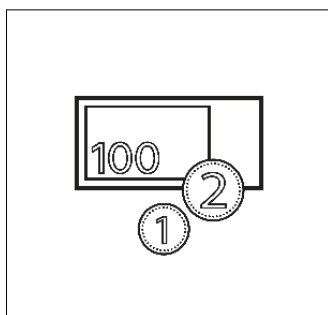
Contour spotlights

Framing attachments enable a sharply defined light beam. In this way fascinating effects can be created with contour spotlights, where crisply illuminated pictures appear to illuminate from within.



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



Contour spotlight



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



Various construction sizes



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

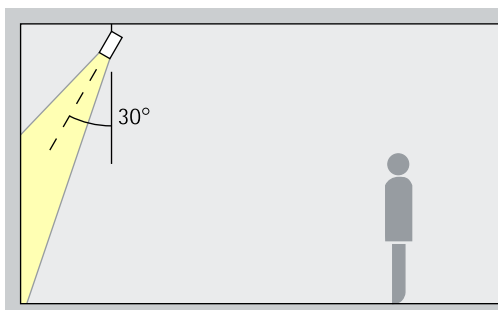


Pollux spotlights effectively accentuate artwork, products and architectural details. The ideal angle of tilt (α) for these applications is around 30° to model the object without distorting the effect as a result of excessive shadowing. This set-up also prevents shadows cast by the observer.

Arrangement: $\alpha = 30^\circ$

Contour spotlights

Narrow framing

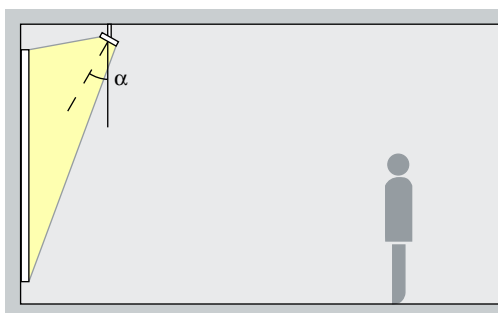


Spotlights with framing attachments enable freely settable, crisp-edged light beams. As a result fascinating effects can be created where pictures appear to illuminate from within. The ideal angle of tilt (α) is 30° .

Arrangement: $\alpha = 30^\circ$

Floodlights

Wide flood, Extra wide flood, Oval flood

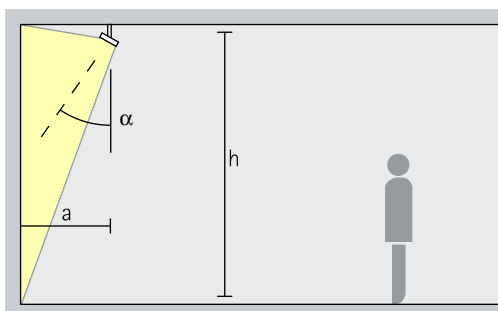


The ideal angle of tilt (α) for flood-lighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30° .

Arrangement: $\alpha = 30^\circ$

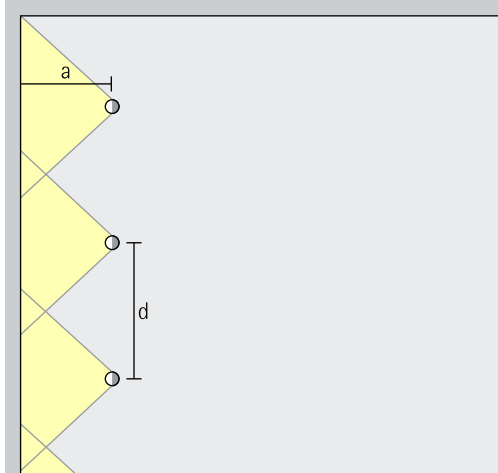
Lens wallwashers

Wallwash



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).

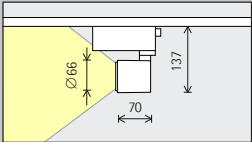
Arrangement: $d \leq 1.2 \times a$

Galleria Arte
Moderna, Milan.
Photography:
Moritz Hillebrand,
Zurich.



Pollux New for track 220-240V

Construction size Ø 66mm



LED module
Maximum value
at 4000K CRI 92

12.4W/1618lm	3.1W/404lm (Narrow spot)
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Light colour

	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	

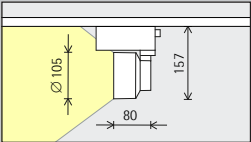
Control

	On-board Dim
	DALI
	Casambi Bluetooth

Colour
(housing)

	White		10,000 colours *
	Black		

Ø 105mm



21.8W/2977lm	6.2W/809lm (Narrow spot)
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	2700K CRI 92		3500K CRI 92
	3000K CRI 92		4000K CRI 92
	3000K CRI 97		

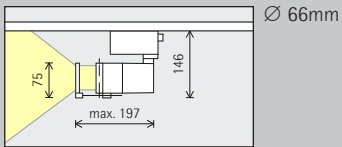
Spotlights	Floodlights
 Narrow spot	 Wide flood
 Spot	 Extra wide flood
 Flood	 Oval flood
Lens wallwashers	
 Wallwash	

	On-board Dim
	DALI
	Casambi Bluetooth

	White		10,000 colours *
	Black		

Accessories

	Lenses		Cross-baffle
	Snoot		Honeycomb anti-glare screen



12.4W/1618lm

	2700K CRI 92		3500K CRI 92
	3000K CRI 92		4000K CRI 92
	3000K CRI 97		

Contour spotlights

 Narrow framing

 On-board Dim

 DALI

 Casambi Bluetooth

	White		10,000 colours *
	Black		

* available on request





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