



Pollux – For magic moments

Pollux, the compact spotlight for versatile use

The versatility of Pollux, underwritten by its compact format, displays particular strengths in museums, shops, the catering industry or residential environments. As a special highlight, Pollux also includes contour spotlights with LED. Using the framing attachment, their sharp-edged beam can be adjusted to suit the format of images and objects in the room or on the wall.

This creates wonderful effects that are particularly valuable in museums and galleries. Its understated design means that Pollux

is also excellent in combination with other spotlight series or as a gradual addition to existing lighting 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 (zoom spotlight)

- Zoom lens, continuously focusable
- Light distributions: zoom spot

or

Attachment (contour spotlight)

- Rotatable through 360°
- Framing attachment: polymer, black
- Fresnel lens
- 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

- Switchable or phase dimmable+On-board Dim
- Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

5 ERCO transadapter or ERCO DALI transadapter

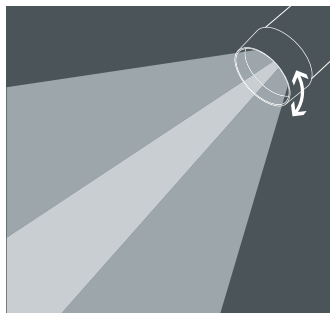
Variants on request

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



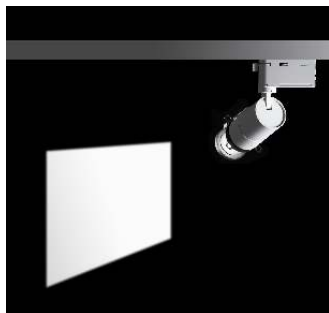
Design and application:
www.erco.com/pollux

Pollux for track 220-240V



Zoom spotlights

The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (65°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.



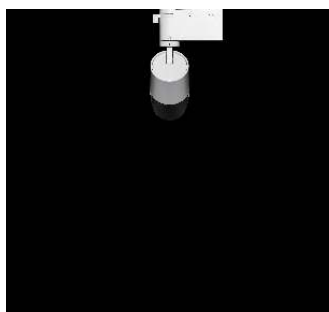
Contour spotlights

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.



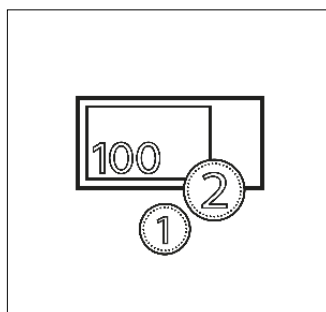
Oval flood freely rotatable

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



Small luminaire dimensions

Small luminaires are discreet and place the focus on the light itself. Compact luminaire dimensions are particularly advantageous with small rooms.



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

	Zoom spotlight
	Contour spotlight
	Oval flood, freely rotatable
	Small luminaire dimensions
	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



Pivotal through 90°



Accessory for maximum visual comfort



Switchable

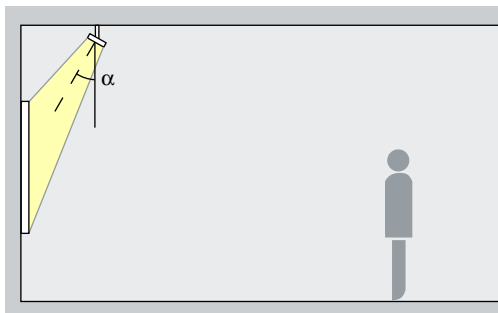


Phase dimmable + On-board Dim

Pollux for track 220-240V – Luminaire arrangement

Spotlights

Narrow spot, Spot, Flood

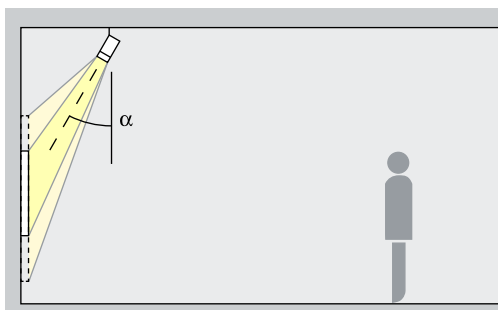


Pollux spotlights accentuate artwork, products and architectural details effectively. The ideal angle of tilt (α) for this is around 30° . The object is modelled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: $\alpha = 30^\circ$

Zoom spotlights

Zoom spot

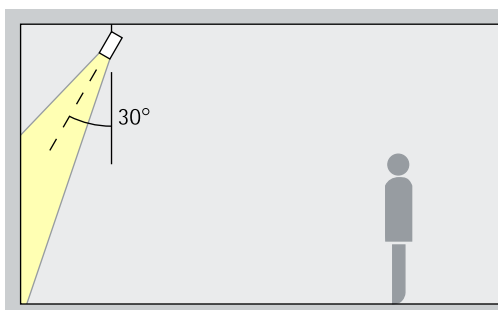


Zoom spotlights feature a continuously adjustable beam angle. With the spot to wide flood zoom range, smaller works of art can be accentuated effectively at an inclination angle (α) of approximately 30° . The object is modelled without distorting the effect as a result of excessive shadowing. It also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

Arrangement: $\alpha = 30^\circ$

Contour spotlights

Narrow framing

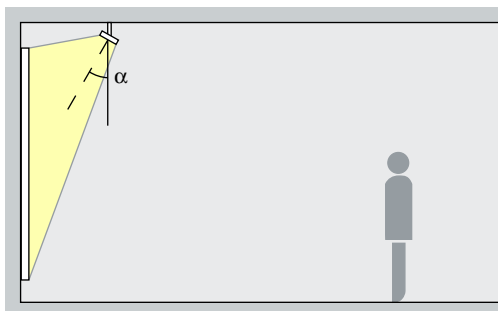


Spotlights with framing attachments enable freely settable, crisp-edged light beams. As a result fascinating effects can be created where pictures appear to illuminate from within. The ideal angle of tilt (α) is 30° .

Arrangement: $\alpha = 30^\circ$

Floodlights

Wide flood, Extra wide flood, Oval flood

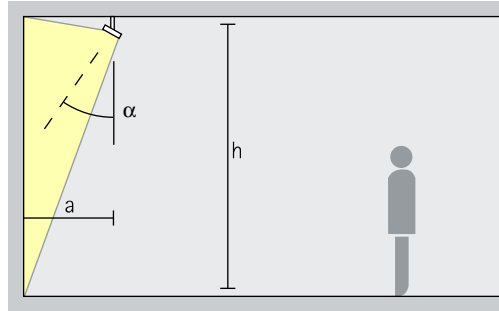


The ideal angle of tilt (α) for floodlighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30° .

Arrangement: $\alpha = 30^\circ$

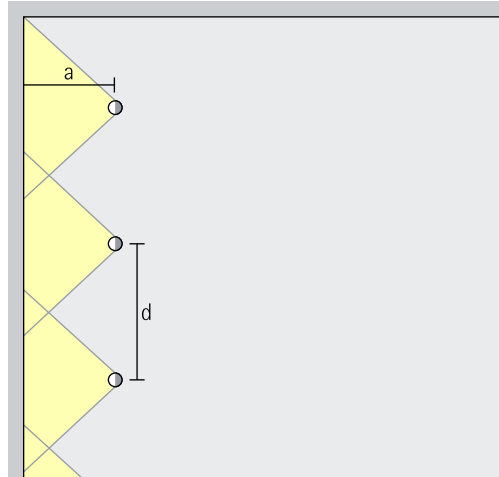
Pollux for track 220-240V – Luminaire arrangement

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 $\alpha = 35^\circ$

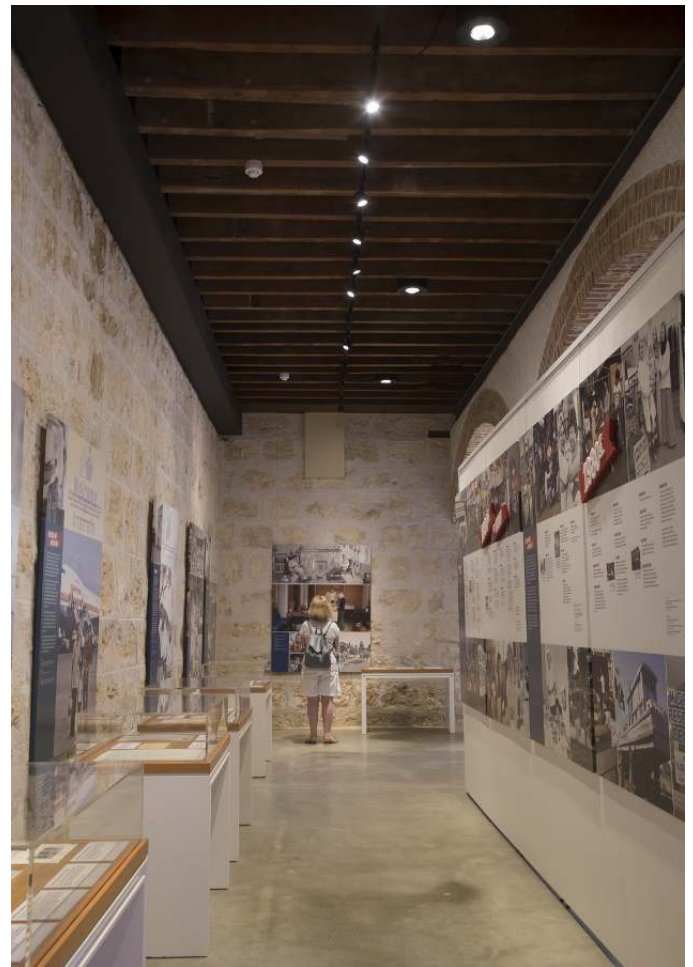


For good longitudinal uniformity, the spacing (d) of Pollux lens wallwashers may be up to 1.2 times the offset from the wall (a).

Arrangement: $d \leq 1.2 \times a$

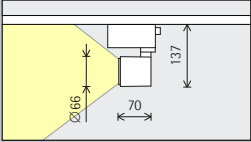
The optimal wall offset and luminaire spacing for each product are indicated in the wallwasher tables in the catalogue and the product data sheets.

WA Shipwrecks Museum, Fremantle. Lighting design: Lighting Options Australia, Perth. Photography: Matt Devlin, Perth.



Pollux for track 220-240V

Construction size



Ø 66mm

LED module

Maximum value at 4000K CRI 92

9.3W/1213lm

3.1W/404lm (Narrow spot)

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
Zoom spotlights	Lens wallwashers
 Zoom spot	 Wallwash

Control

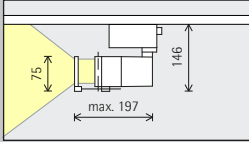
 Switchable

 Phase dimmable + On-board Dim

Colour (housing)

	White		10,000 colours *
	Black		

Construction size



Ø 66mm

LED module

Maximum value at 4000K CRI 92

9.3W/1213lm

Light colour

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

Light distribution

Contour spotlights

 Narrow framing

Control

 Switchable

 Phase dimmable + On-board Dim

Colour (housing)

	White		10,000 colours *
	Black		

Accessories

	Lenses		Cross-baffle
	Snoots		Honeycomb anti-glare screen

* available on request

www.erco.com/pollux





Arup, Sydney.
Lighting design:
Arup. Photogra-
phy: Jackie Chan,
Sydney.