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.

Pollux for 2-circuit track

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, zoom oval
- Zoom oval 360° rotation

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), black or silver
- Cast aluminum, powder-coated
- 0°-90° tilt
- Bracket on turning transadapter rotatable through 360°
- Internal wiring

4 Control gear
- Trailing edge dimmable+On-board Dim
- Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

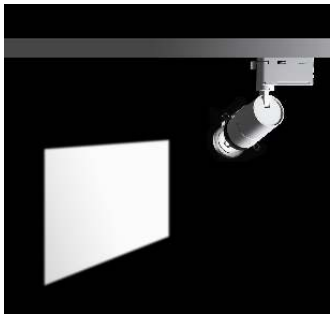
5 ERCO turning transadapter for 2-circuit track

Variants on request
- Housing: 10,000 further colors

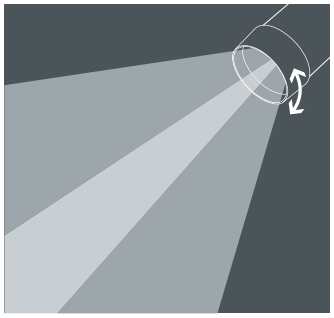
Please contact your ERCO consultant.

Design and application:
www.erco.com/pollux

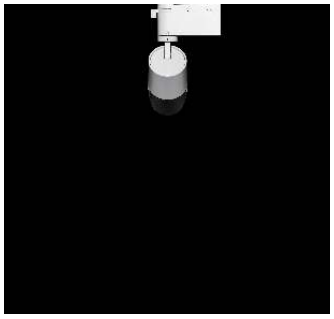
Oval flood freely rotatable
The oval flood Spherolit lens can be freely rotated with round luminaire heads to optimally match the lighting to various objects.



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.



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.



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

- Oval flood, freely rotatable
- Contour spotlight
- Zoom spotlight
- Small luminaire dimensions
- Very good price performance ratio

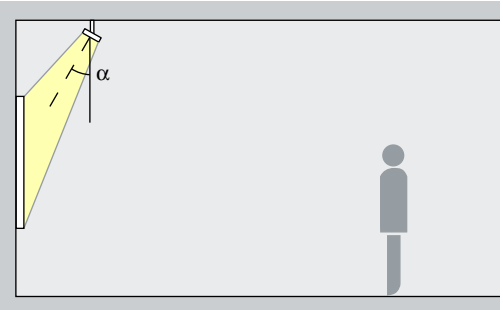
- ERCO high-power LEDs
- Efficient Spherolit technology
- Different light distributions
- Different light colors

- Excellent thermal management
- EMC-optimized
- Various housing colors
- Pivotable through 90°
- Accessory for maximum visual comfort

- Trailing edge dimmable + Onboard Dim

Pollux for 2-circuit track – Luminaire arrangement

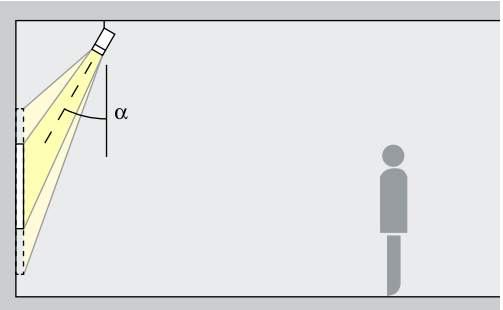
Spotlights
Narrow spot, Spot, Flood



Accentuation
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: α = 30°

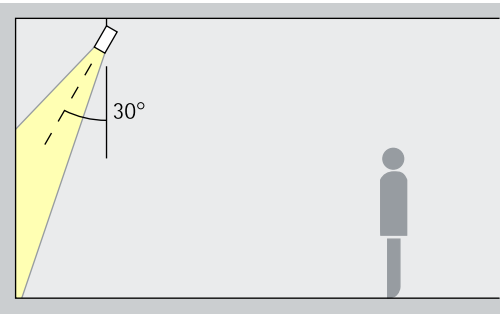
Zoom spotlights
Zoom spot, Zoom oval



Accentuation
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 oval zoom is suitable for linear works of art. 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°

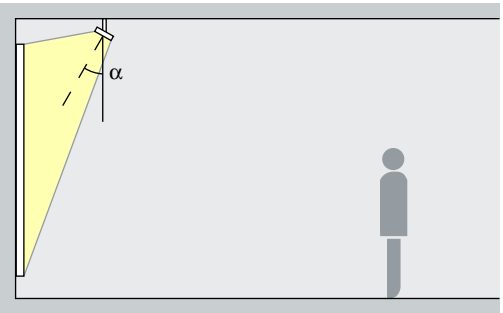
Contour spotlights
Narrow framing



Projection
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: α = 30°

Floodlights
Wide flood, Extra wide flood, Oval flood

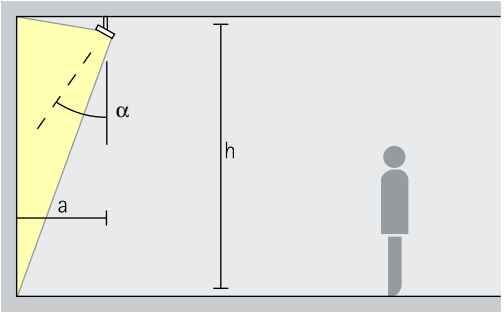


Washlighting
The ideal angle of tilt (α) for floodlighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around 30°.

Arrangement: α = 30°

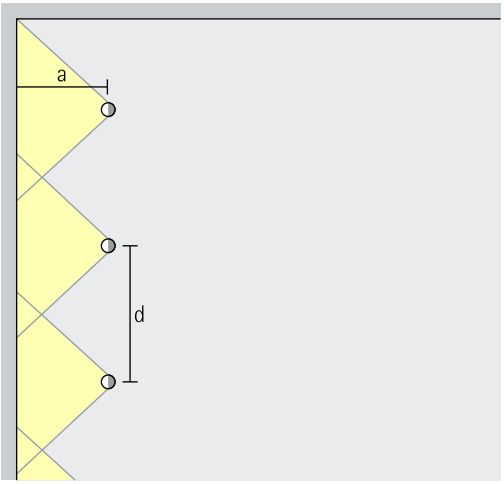
Pollux for 2-circuit track – Luminaire arrangement

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 x h or
α = 35°



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

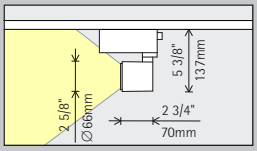
Arrangement: d ≤ 1.2 x a

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

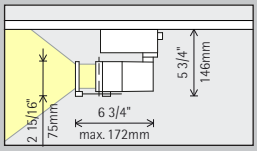
Arup, Sydney. Lighting design: Arup. Photography: Jackie Chan, Sydney.

Pollux for 2-circuit track

Construction size



Ø 2 5/8"



Ø 2 15/16"

LED module
Maximum value at 4000K CRI 82

6.1W/786lm	2W/262lm (Narrow spot)

6.1W/786lm

Light color

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

Spotlights	Floodlights
Narrow spot	Wide flood
Spot	Extra wide flood
Flood	Oval flood
Zoom spotlights	**Lens wallwashers**
Zoom spot	Wallwash
Zoom oval	

Contour spotlights
Narrow framing

Control

Trailing edge dimmable + On-board Dim

Trailing edge dimmable + On-board Dim

Color (housing)

White	Silver
Black	10,000 colors *

White	Silver
Black	10,000 colors *

Accessories

Lenses	Cross-baffle
Snoots	Honeycomb anti-glare screen

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

* available on request

Article numbers and planning data:
www.erco.com/013445-us

Design and application:
www.erco.com/pollux

Hangaram Design Museum in Seoul Arts Center, Seoul. Architecture and Lighting design: Hangaram Design Museum. Photography: Sebastian Mayer, Berlin.