



## 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 wall-washers, 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.



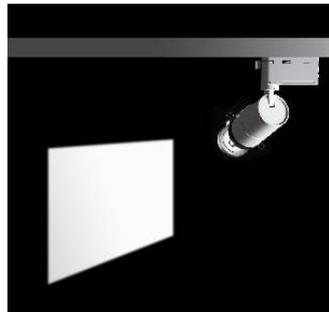
Design and application:  
[www.erco.com/pollux-new](http://www.erco.com/pollux-new)

# 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.



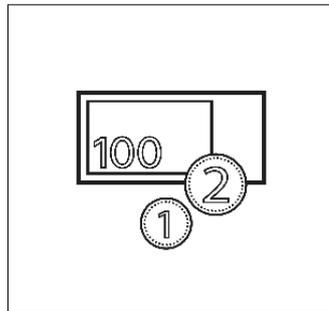
### Contour spotlights

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



Pivotal through 90°



Accessory for maximum visual comfort



On-board Dim



DALI dimmable

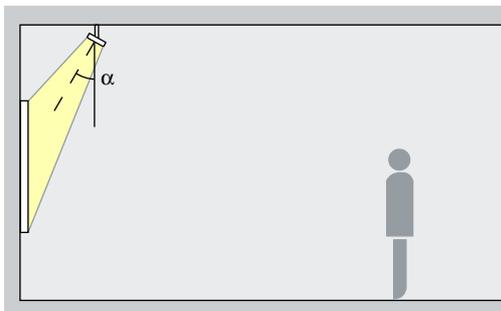


Casambi Bluetooth

# Pollux New for track 220-240V – Luminaire arrangement

## Spotlights

Narrow spot, Spot, Flood

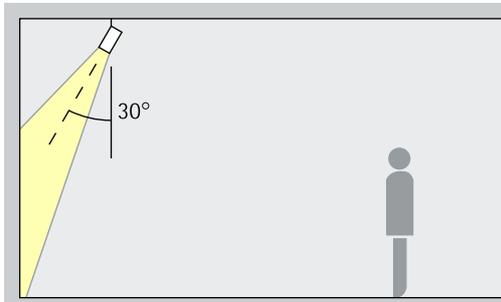


Pollux spotlights effectively accentuate artwork, products and architectural details. The ideal angle of tilt ( $\alpha$ ) for these applications is around  $30^\circ$  to model the object without distorting the effect as a result of excessive shadowing. This set-up also prevents shadows cast by the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

Arrangement:  $\alpha = 30^\circ$

## Contour spotlights

Narrow framing

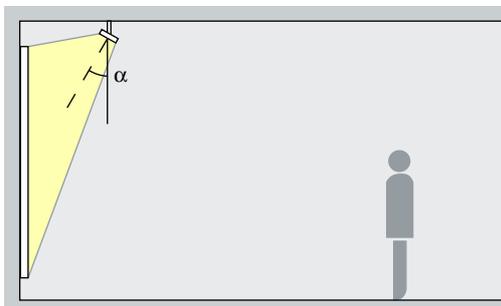


Spotlights with framing attachments enable freely settable, crisp-edged light beams. As a result fascinating effects can be created where pictures appear to illuminate from within. The ideal angle of tilt ( $\alpha$ ) is  $30^\circ$ .

Arrangement:  $\alpha = 30^\circ$

## Floodlights

Wide flood, Extra wide flood, Oval flood

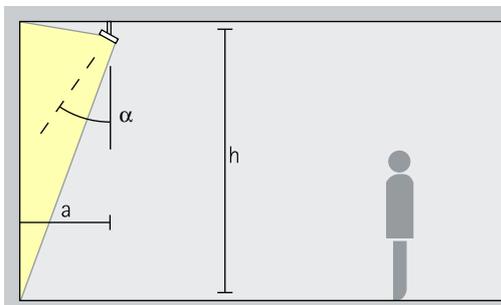


The ideal angle of tilt ( $\alpha$ ) for flood-lighting objects with a long, square shape, e.g. pictures, sculptures or merchandise displays, is around  $30^\circ$ .

Arrangement:  $\alpha = 30^\circ$

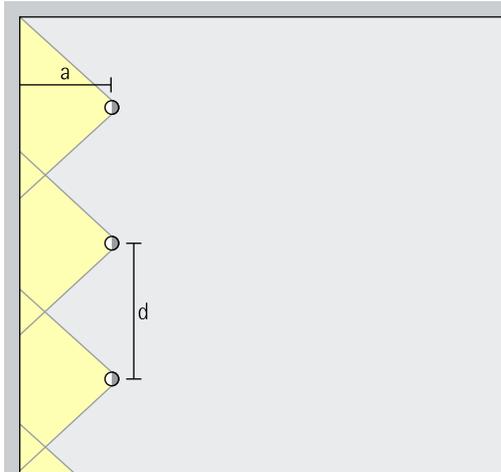
## Lens wallwashers

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 ( $\alpha$ ) of approx.  $35^\circ$ .

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 ( $a$ ).

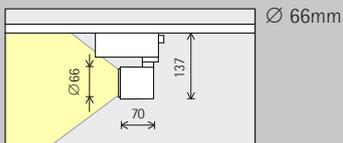
Arrangement:  $d \leq 1.2 \times a$

Archi+ Office,  
Hong Kong. Archi-  
tecture: Archi+,  
Hong Kong. Pho-  
tography: Jackie  
Chan.

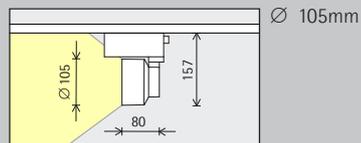


# Pollux New for track 220-240V

Construction size



∅ 66mm



∅ 105mm

LED module  
Maximum value  
at 4000K CRI 92

|              |                          |
|--------------|--------------------------|
| 12.4W/1618lm | 3.1W/404lm (Narrow spot) |
|--------------|--------------------------|

|              |                          |
|--------------|--------------------------|
| 21.8W/2977lm | 6.2W/809lm (Narrow spot) |
|--------------|--------------------------|

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       |
| Spot             | Extra wide flood |
| Flood            | Oval flood       |
| Lens wallwashers |                  |
| Wallwash         |                  |

Control

|  |                   |
|--|-------------------|
|  | On-board Dim      |
|  | DALI              |
|  | Casambi Bluetooth |

|  |                   |
|--|-------------------|
|  | On-board Dim      |
|  | DALI              |
|  | Casambi Bluetooth |

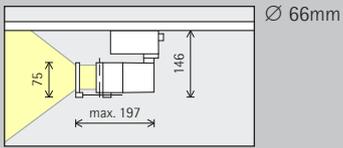
Colour (housing)

|  |       |  |                  |
|--|-------|--|------------------|
|  | White |  | 10,000 colours * |
|  | Black |  |                  |

|  |       |  |                  |
|--|-------|--|------------------|
|  | 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





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