Optec – the spotlight for any purpose

Anything is possible with Optec. In versions with different light distributions, Optec covers the full bandwidth of lighting requirements in shops, galleries and museums – high-contrast accent lighting, floodlighting of exhibits, uniform illumination of walls, or sharp-edged beams for striking effects. With innovative photometrics, Optec combines efficiency with visual comfort.

To ensure excellent heat management and flawless performance, ERCO has separated the light head and control gear, whilst, at the same time, the combination of cuboid and cylinder creates the visual impression of less volume and a classic design.
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, extra wide flood, oval flood or washlight
- Oval flood 360° rotation
- Attachment (zoom spotlight)
  - Zoom lens, continuously focusable
  - Light distributions: zoom spot, zoom oval
  - Zoom oval 360° rotation
  - Attachment (contour spotlight)
    - Rotatable through 270°
    - Framing attachment
      - Holder with projection lens, continuously focusable

2 ERCO LED-module
- High-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K) or RGBW
- Collimating lens made of optical polymer
- RGBW with highly reflective colour mixer

3 Cylindrical light head
- White (RAL9002), black or silver
- Cast aluminium, powder-coated
- 270° tilt

4 Housing
- White (RAL9002), black or silver
- Polymer
- Rotatable through 360° on adapter

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

6 ERCO 3-circuit adapter or ERCO DALI adapter

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

Design and application: www.erco.com/optec

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.

Zoom spotlights
The light beam diameter can be infinitely adjusted from spot (15°) to wide flood (60°) by simply turning the lens. Zoom spotlights are particularly suitable for illuminating areas with changing exhibits and merchandise.

Coloured light
Using coloured light, the environment can be designed and transformed with either subtle or dramatic contrasts. LEDs enable you to generate coloured light very efficiently and flexibly.

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
- Efficient Spherolit technology
- Switchable
- Phase dimmable + On-board Dim
- DALI dimmable
- Casambi Bluetooth
- Various construction sizes
- Various housing colours
- Various light colours
- Excellent thermal management
- EMC-optimised
- Pivotable through 270°
- Accessory for maximum visual comfort

Edition: 27.11.2019  
Current version under www.erco.com/optec
Spotlights
Narrow spot, Spot, Flood

Accentuation
Optec 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: \( \alpha = 30° \)

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 modelled without distorting the effect as a result of excessive shadowing. It also prevents shadows cast by the observer.

Arrangement: \( \alpha = 30° \)

Contour spotlights

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: \( \alpha = 30° \)

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: \( \alpha = 30° \)

Lens wallwashers
Wallwash

Wallwashing
For uniform vertical illuminance, the distance (a) of Optec 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: \( a = \frac{1}{3} \times h \) or \( \alpha = 35° \)

For good longitudinal uniformity, the spacing (d) of Optec 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.
**Optec for track 220-240V**

**Construction size**
- Ø 70mm
- Ø 128mm

**LED module**
- Maximum output at 4000K CRI 82
- 6W/825lm
- 10W/1230lm

**Light colour**
- 2700K CRI 92
- 3000K CRI 92
- 3000K CRI 97

**Light distribution**
- Contour spotlights
- Framing

**Control**
- Switchable
- DALI
- Switchable
- DALI
- Phase dimmable +
- Casambi Bluetooth

**Colour (housing)**
- White
- Silver
- Black

**Available on request**
- *10,000 colours*