

Description

Round recessed aluminium LED spot that can be rotated 360° and consists of two nested shells with seamless integration into the ceiling. A tilting 23 mm shell which can be rotated in any direction prevents direct exposure to the light. The armature is fitted with a safety glass lens as standard and is finished with a fine textured powder coating in matt white or matt black

In the WINK model, the LED light is inserted perpendicular into the lamp unit, resulting in a vertical light pattern.

In the ASY WINK model, the LED light is inserted at a 30° angle, resulting in an asymmetric light projection. The ASY WINK is also available in a spread light version. The integrated spread lens creates a perfect wall wash effect with uniform dispersion of light over the wall.

The aluminium recessed ring used to seamlessly integrate the armature into the ceiling is included as standard and suitable for ceiling thicknesses from 1 to 35 mm. The armature can be rotated 360° in the recessed ring.

Materials

- Shell: aluminium with scratch resistant fine textured powder coating in black or white
- Heatsink: aluminium
- Mounting ring: aluminium with galvanised mounting brackets
- Reflector: high-gloss aluminium
- Lens: transparent glass
- Spread lens: polycarbonate

Technical characteristics

- Dimensions: 115 mm (∅) x 111 mm (H)
- Reflectors: spot (15°), medium (25°), flood (40°)
- COB high-power LED
- Colour temperature: 2700 K or 3000 K (3500 K and 4000 K available on request)
- CRI 90+
- 3SDCM
- Luminaire output:
 - ASY WINK: max. 1682 lm (for 3000 K, medium, white structure, GE)
 - ASY WINK with spread lens: max. 1495 lm (for 3000 K, medium, white structure, GE)
 - WINK: max. 1869 lm (for 3000 K, medium, white structure, GE)
- Luminaire efficiency: 77-91%
- Power consumption: max. 31 W (at 900 mA)
- UGR: 16-27 (depending on the colour and type of reflector)
- Controlled with electronic LED drivers: choose from driver matrix
- Warranty period: 5 years on LED lamps

Installation

- Recessed in ceiling (recess diameter: 146 mm; recess height: 100 mm). Mounting ring required (included with product). Trimless installation. Unit must not be covered with insulation.
- Mounting ring suitable for ceiling thicknesses from 1 to 35 mm.
- Lamp unit can be rotated 360° in the mounting ring.

Accessories

- none

Standards and directives:

- 2006/95/EC - Low Voltage Directive
- 2004/108/EC - EMC Directive
- 2011/65/EU - RoHS Directive
- 2009/125/EC - ECODesign Directive
- 245/2009/EC + 347/2010/EU - ECODesign Directive
- 1194/2012/EU - ECODesign Regulation
- EN 60598-1:2008 +A11:2009 - Luminaires. General requirements and tests
- EN 62471:2008 - Photobiological safety of LED lamps and lamp systems
- EN 62493: 2010 - Assessment of lighting equipment related to human exposure to electromagnetic fields
- EN 60598-2-2:2012 - Recessed luminaires
- EN 55015:2006 +A1:2007 +A2:2009 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- EN 61000-3-2:2006 +A1,A2:2009 - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
- EN 61000-3-3:2013 - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
- EN 61547:2009 - EMC Immunity Requirements
- EN 50581:2012 - Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

