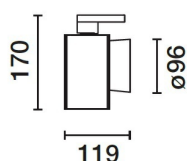


Last information update: June 2023

Product configuration: N183

N183: small body - warm white - flood optic

**Product code**N183: small body - warm white - flood optic **Attention! Code no longer in production****Technical description**

Adjustable spotlight with adapter for installation on mains voltage track for high-performance LED source with CoB technology, with monochromatic Warm White (3000K) CRI90 emission. Product inclusive of OPTIBEAM interchangeable reflector with flood optic. Electronic control gear housed in the power supply box positioned vertically with respect to the optical compartment. Optical compartment made of die-cast aluminium, easily customisable thermoplastic power supply box. Features 360° rotation around the vertical axis and 90° inclination with respect to the horizontal axis. Passive cooling system. Possibility of installing a refractor, to be ordered separately, for elliptical light beam distribution.

Installation

Mounted on electrified track or on base

Colour

White (01) | Black (04)

Weight (Kg)

0.85

Mounting

three circuit track|ceiling surface

Wiring

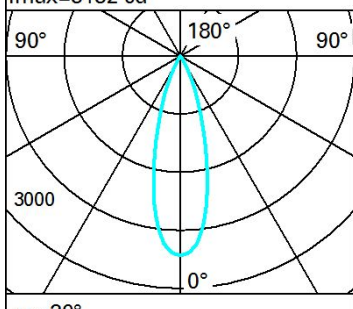
Product inclusive of electronic components

Complies with EN60598-1 and pertinent regulations

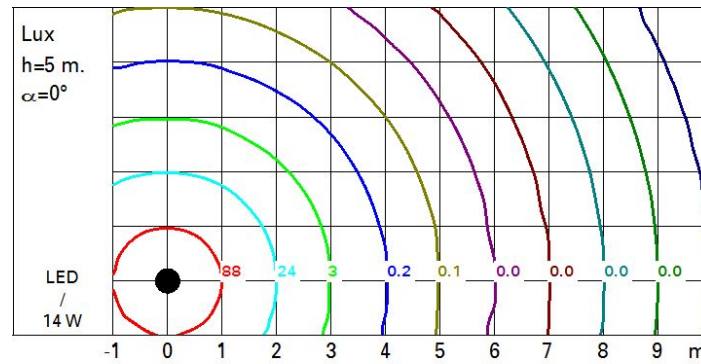
**Technical data**

| | | | |
|--|-------|---------------------------------------|-------------------------------|
| lm system: | 998.7 | CRI: | 90 |
| W system: | 14 | Colour temperature [K]: | 3000 |
| lm source: | 1300 | MacAdam Step: | 3 |
| W source: | 12 | Life Time LED 1: | 50,000h - L80 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 71.3 | Ballast losses [W]: | 2 |
| lm in emergency mode: | - | Lamp code: | LED |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Number of lamps for optical assembly: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 77 | ZVEI Code: | LED |
| Beam angle [°]: | 30° | Number of optical assemblies: | 1 |

Polar

| Imax=3432 cd | | Lux | | | | |
|---|------|-----|-------------------|-----|-----|------|
| 90° | 180° | 90° | h | d | Em | Emax |
|  | | | 2 | 1.1 | 674 | 858 |
| | | | 4 | 2.1 | 168 | 214 |
| | | | 6 | 3.2 | 75 | 95 |
| | | | 8 | 4.3 | 42 | 54 |
| | | | $\alpha=30^\circ$ | | | |

Isolux



UGR diagram

| Photometric curve code: N1810000.B88 Corrected UGR values (at 1300 lm bare lamp luminous flux) | | | | | | | | | | | | |
|---|-----|---------------------|------|--------|------|------|-------------------|------|--------|------|------|--|
| Reflect.: ceiling/cav walls work pl. Room dim x y | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | |
| | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | |
| | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | |
| | | viewed crosswise | | | | | viewed endwise | | | | | |
| 2H | 2H | 4.0 | 4.5 | 4.3 | 4.8 | 5.0 | 4.0 | 4.5 | 4.3 | 4.8 | 5.0 | |
| | 3H | 4.1 | 4.5 | 4.4 | 4.8 | 5.1 | 3.9 | 4.4 | 4.3 | 4.7 | 5.0 | |
| | 4H | 4.1 | 4.5 | 4.4 | 4.8 | 5.1 | 3.9 | 4.3 | 4.2 | 4.6 | 4.9 | |
| | 6H | 4.0 | 4.4 | 4.4 | 4.8 | 5.1 | 3.8 | 4.3 | 4.2 | 4.6 | 4.9 | |
| | 8H | 4.0 | 4.4 | 4.4 | 4.7 | 5.1 | 3.8 | 4.2 | 4.2 | 4.5 | 4.9 | |
| | 12H | 4.0 | 4.4 | 4.4 | 4.7 | 5.0 | 3.8 | 4.2 | 4.1 | 4.5 | 4.8 | |
| 4H | 2H | 3.9 | 4.3 | 4.2 | 4.6 | 4.9 | 4.1 | 4.5 | 4.4 | 4.8 | 5.1 | |
| | 3H | 4.0 | 4.4 | 4.4 | 4.7 | 5.1 | 4.1 | 4.4 | 4.4 | 4.8 | 5.1 | |
| | 4H | 4.0 | 4.4 | 4.4 | 4.7 | 5.1 | 4.0 | 4.4 | 4.4 | 4.7 | 5.1 | |
| | 6H | 4.0 | 4.3 | 4.5 | 4.7 | 5.1 | 4.0 | 4.3 | 4.4 | 4.7 | 5.1 | |
| | 8H | 4.0 | 4.3 | 4.4 | 4.7 | 5.1 | 4.0 | 4.2 | 4.4 | 4.6 | 5.1 | |
| | 12H | 4.0 | 4.2 | 4.4 | 4.6 | 5.1 | 3.9 | 4.2 | 4.4 | 4.6 | 5.0 | |
| 8H | 4H | 4.0 | 4.2 | 4.4 | 4.6 | 5.1 | 4.0 | 4.3 | 4.4 | 4.7 | 5.1 | |
| | 6H | 4.0 | 4.2 | 4.4 | 4.6 | 5.1 | 4.0 | 4.2 | 4.5 | 4.7 | 5.1 | |
| | 8H | 4.0 | 4.2 | 4.4 | 4.6 | 5.1 | 4.0 | 4.2 | 4.4 | 4.6 | 5.1 | |
| | 12H | 3.9 | 4.1 | 4.4 | 4.6 | 5.1 | 3.9 | 4.1 | 4.4 | 4.6 | 5.1 | |
| 12H | 4H | 3.9 | 4.2 | 4.4 | 4.6 | 5.0 | 4.0 | 4.2 | 4.4 | 4.6 | 5.1 | |
| | 6H | 3.9 | 4.1 | 4.4 | 4.6 | 5.1 | 4.0 | 4.1 | 4.4 | 4.6 | 5.1 | |
| | 8H | 3.9 | 4.1 | 4.4 | 4.6 | 5.1 | 3.9 | 4.1 | 4.4 | 4.6 | 5.1 | |
| Variations with the observer position at spacing: | | | | | | | | | | | | |
| S = | | 1.0H | 5.0 | / -4.2 | | | | 5.0 | / -4.2 | | | |
| | | 1.5H | 7.7 | / -4.9 | | | | 7.7 | / -4.9 | | | |
| | | 2.0H | 9.6 | / -5.3 | | | | 9.6 | / -5.3 | | | |