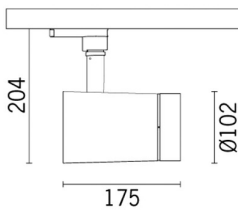


Last information update: April 2025

Product configuration: P209

P209: small body - Warm White dimmable electronics - flood optic

**Product code**

P209: small body - Warm White dimmable electronics - flood optic

Technical description

Adjustable spotlight with adapter for installation on mains voltage track for high-performance LED with monochromatic Warm White (3,000K) emission. Dimmable electronic ballast built-into product. The fitting is made of die-cast aluminium and thermoplastic material. It enables 360° rotation around the vertical axis and 90° inclination with respect to the horizontal plane. It is provided with mechanical locks for orientation, for both rotations, which are applied by using the same tool on two screws, one in lateral position to the rod and one on the track adapter. Passive cooling system. Spotlight able to house up to two flat accessories at the same time. One further external component can be applied, either directional flaps or anti-glare screen. All the external accessories can be rotated by 360° with respect to the longitudinal axis of the spotlight.

Installation

Mounted on electrified track on dedicated base

Colour

White (01) | Black (04)

Weight (Kg)

1.28

Mounting

three circuit track

Wiring

Dimmable electronics components contained within the fitting

Complies with EN60598-1 and pertinent regulations

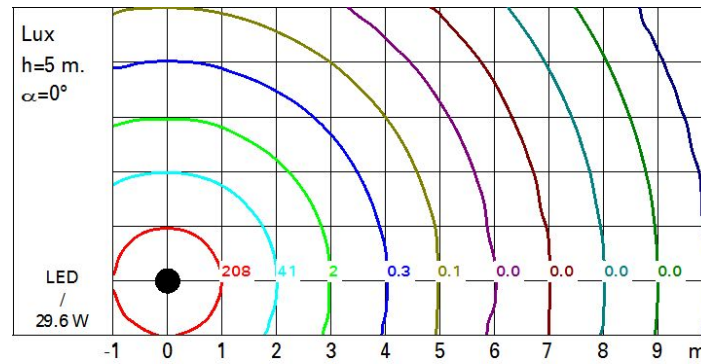
**Technical data**

| | | | |
|--|------|--|--|
| Im system: | 2064 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| W system: | 29.6 | Lamp code: | LED |
| Im source: | 2900 | Number of lamps for optical assembly: | 1 |
| W source: | 26 | ZVEI Code: | LED |
| Luminous efficiency (Im/W, real value): | 69.7 | Number of optical assemblies: | 1 |
| Im in emergency mode: | - | Power factor: | See installation instructions |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Inrush current: | 5 A / 50 µs |
| Light Output Ratio (L.O.R.) [%]: | 71 | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires |
| Beam angle [°]: | 38° | Minimum dimming %: | 1 |
| CRI (minimum): | 90 | Overvoltage protection: | 4kV Common mode & 2kV Differential mode |
| Colour temperature [K]: | 3000 | Control: | Completo di dimmer |
| MacAdam Step: | 2 | | |

Polar

| Imax=5741 cd | | Lux | | | |
|--------------|------|-----|---|-----|-----------|
| 90° | 180° | 90° | h | d | Em Emax |
| | | | 2 | 1.3 | 1199 1400 |
| | | | 4 | 2.7 | 300 350 |
| | | | 6 | 4 | 133 156 |
| | | | 8 | 5.4 | 75 87 |
| α = 37° | | | | | |

Isolux



UGR diagram

| Corrected UGR values (at 2900 lm bare lamp luminous flux) | | | | | | | | | | | |
|---|-----|------------------|-------------|------|------|------|----------------|------|------|------|------|
| Reflect.: | | viewed crosswise | | | | | viewed endwise | | | | |
| ceiling | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
| walls | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 |
| work pl. | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Room dim | | viewed crosswise | | | | | viewed endwise | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 1.4 | 1.9 | 1.7 | 2.2 | 2.4 | 1.4 | 1.9 | 1.7 | 2.2 | 2.4 |
| | 3H | 1.3 | 1.8 | 1.6 | 2.0 | 2.3 | 1.3 | 1.8 | 1.6 | 2.1 | 2.3 |
| | 4H | 1.2 | 1.7 | 1.6 | 2.0 | 2.3 | 1.3 | 1.7 | 1.6 | 2.0 | 2.3 |
| | 6H | 1.2 | 1.6 | 1.5 | 1.9 | 2.2 | 1.2 | 1.6 | 1.5 | 1.9 | 2.2 |
| | 8H | 1.1 | 1.5 | 1.5 | 1.8 | 2.2 | 1.2 | 1.5 | 1.5 | 1.9 | 2.2 |
| | 12H | 1.1 | 1.5 | 1.5 | 1.8 | 2.1 | 1.1 | 1.5 | 1.5 | 1.8 | 2.2 |
| 4H | 2H | 1.3 | 1.7 | 1.6 | 2.0 | 2.3 | 1.2 | 1.7 | 1.6 | 2.0 | 2.3 |
| | 3H | 1.1 | 1.5 | 1.5 | 1.8 | 2.2 | 1.1 | 1.5 | 1.5 | 1.8 | 2.2 |
| | 4H | 1.0 | 1.4 | 1.4 | 1.7 | 2.1 | 1.0 | 1.4 | 1.4 | 1.7 | 2.1 |
| | 6H | 1.0 | 1.2 | 1.4 | 1.6 | 2.1 | 1.0 | 1.2 | 1.4 | 1.6 | 2.1 |
| | 8H | 0.9 | 1.2 | 1.3 | 1.6 | 2.0 | 0.9 | 1.2 | 1.3 | 1.6 | 2.0 |
| | 12H | 0.9 | 1.1 | 1.3 | 1.5 | 2.0 | 0.9 | 1.1 | 1.3 | 1.5 | 2.0 |
| 8H | 4H | 0.9 | 1.2 | 1.3 | 1.6 | 2.0 | 0.9 | 1.2 | 1.3 | 1.6 | 2.0 |
| | 6H | 0.8 | 1.0 | 1.3 | 1.5 | 2.0 | 0.8 | 1.0 | 1.3 | 1.5 | 2.0 |
| | 8H | 0.8 | 0.9 | 1.2 | 1.4 | 1.9 | 0.8 | 0.9 | 1.2 | 1.4 | 1.9 |
| | 12H | 0.7 | 0.9 | 1.2 | 1.4 | 1.9 | 0.7 | 0.9 | 1.2 | 1.4 | 1.9 |
| 12H | 4H | 0.9 | 1.1 | 1.3 | 1.5 | 2.0 | 0.9 | 1.1 | 1.3 | 1.5 | 2.0 |
| | 6H | 0.8 | 0.9 | 1.2 | 1.4 | 1.9 | 0.8 | 0.9 | 1.2 | 1.4 | 1.9 |
| | 8H | 0.7 | 0.9 | 1.2 | 1.4 | 1.9 | 0.7 | 0.9 | 1.2 | 1.4 | 1.9 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | | 1.0H | 5.1 / -6.9 | | | | 5.1 / -6.9 | | | | |
| | | 1.5H | 7.9 / -10.4 | | | | 7.9 / -10.4 | | | | |
| | | 2.0H | 9.8 / -17.0 | | | | 9.8 / -17.0 | | | | |