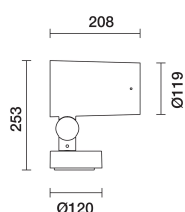


Last information update: March 2025

**Product configuration: EI09**

EI09: Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic

**Product code**

EI09: Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic

**Technical description**

Spotlight designed to use LED lamps and a Very Wide Flood optic. The optical assembly and base is made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. 5 mm thick tempered sodium-calcium closing glass. Double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks for rotation on both the vertical axis and horizontal plane. Complete with a monochrome LED circuit and an Opti Beam Reflector optic system. The product includes a PG13.5 cable gland. Electronic DALI ballast integrated in product. Option of using optic accessories assembled via an accessory holder frame. All external screws used are made of A2 stainless steel.

**Installation**

Floor, wall, ceiling or ground-installed via pole or stake.

**Colour**

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

**Weight (Kg)**

3.85

**Mounting**

wall surface|ground spike

**Wiring**

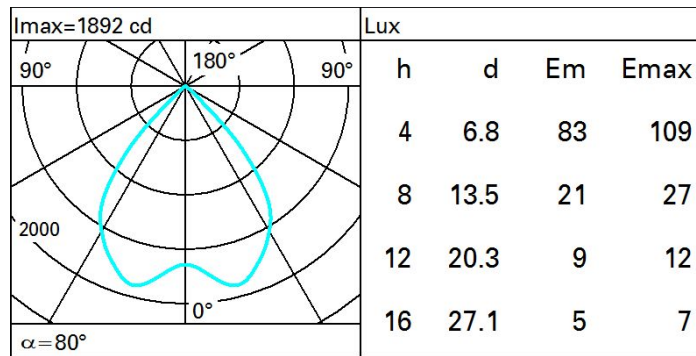
Double PG.

Complies with EN60598-1 and pertinent regulations

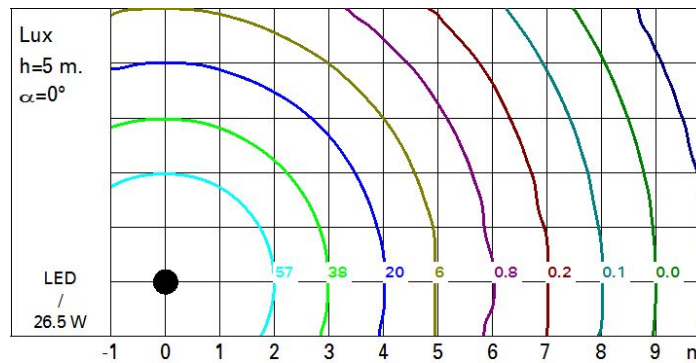
**Technical data**

|  |      |  |  |
|--|------|--|--|
| lm system:   | 2646 | Life Time LED 1:   | 100,000h - L90 - B10 (Ta 25°C)   |
| W system:  | 26.5 | Lamp code:   | LED  |
| lm source:   | 3150 | Number of lamps for optical assembly:                                    | 1  |
| W source:  | 24   | ZVEI Code:   | LED  |
| Luminous efficiency (lm/W, real value):            | 99.8 | Number of optical assemblies:  | 1  |
| lm in emergency mode:                              | -    | Intervallio temperatura ambiente:  | from -25°C to 35°C.  |
| Total light flux at or above an angle of 90° [Lm]: | 0    | Lifetime of product at ambient operating temperature:                    | ≥ 50.000h Ta=25°C  |
| Light Output Ratio (L.O.R.) [%]:                   | 84   | Power factor:  | See installation instructions  |
| Beam angle [°]:                                    | 80°  | Inrush current:  | 5 A / 50 µs  |
| CRI (minimum):                                     | 80   | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 31 luminaires<br>B16A: 50 luminaires<br>C10A: 52 luminaires<br>C16A: 85 luminaires |
| Colour temperature [K]:                            | 3000 | Overvoltage protection:  | 4kV Common mode & 2kV Differential mode  |
| MacAdam Step:                                      | 2    | Control:   | DALI-2   |

# Polar



# Isolux



# UGR diagram

| Corrected UGR values (at 3150 lm bare lamp luminous flux) |     |                  |             |      |      |      |                |      |      |      |      |  |
|---|-----|------------------|-------------|------|------|------|----------------|------|------|------|------|--|
| Reflect.:   |     | viewed crosswise |             |      |      |      | viewed endwise |      |      |      |      |  |
| ceiling   | cav | 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  |     |                  |             |      |      |      |                |      |      |      |      |  |
| x   | y   |                  |             |      |      |      |                |      |      |      |      |  |
| 2H  | 2H  | 24.6             | 25.2        | 24.9 | 25.5 | 25.7 | 24.6           | 25.2 | 24.9 | 25.5 | 25.7 |  |
|   | 3H  | 24.5             | 25.0        | 24.8 | 25.3 | 25.6 | 24.5           | 25.0 | 24.8 | 25.3 | 25.6 |  |
|   | 4H  | 24.4             | 24.9        | 24.7 | 25.2 | 25.5 | 24.4           | 24.9 | 24.7 | 25.2 | 25.5 |  |
|   | 6H  | 24.3             | 24.8        | 24.7 | 25.1 | 25.4 | 24.3           | 24.8 | 24.7 | 25.1 | 25.4 |  |
|   | 8H  | 24.3             | 24.7        | 24.6 | 25.1 | 25.4 | 24.3           | 24.7 | 24.6 | 25.1 | 25.4 |  |
|   | 12H | 24.2             | 24.7        | 24.6 | 25.0 | 25.4 | 24.2           | 24.7 | 24.6 | 25.0 | 25.4 |  |
| 4H  | 2H  | 24.4             | 24.9        | 24.7 | 25.2 | 25.5 | 24.4           | 24.9 | 24.7 | 25.2 | 25.5 |  |
|   | 3H  | 24.2             | 24.7        | 24.6 | 25.0 | 25.4 | 24.2           | 24.7 | 24.6 | 25.0 | 25.4 |  |
|   | 4H  | 24.1             | 24.5        | 24.5 | 24.9 | 25.3 | 24.1           | 24.5 | 24.5 | 24.9 | 25.3 |  |
|   | 6H  | 24.1             | 24.4        | 24.5 | 24.8 | 25.2 | 24.1           | 24.4 | 24.5 | 24.8 | 25.2 |  |
|   | 8H  | 24.0             | 24.3        | 24.4 | 24.7 | 25.2 | 24.0           | 24.3 | 24.4 | 24.7 | 25.2 |  |
|   | 12H | 24.0             | 24.2        | 24.4 | 24.7 | 25.1 | 24.0           | 24.2 | 24.4 | 24.7 | 25.1 |  |
| 8H  | 4H  | 24.0             | 24.3        | 24.4 | 24.7 | 25.2 | 24.0           | 24.3 | 24.4 | 24.7 | 25.2 |  |
|   | 6H  | 23.9             | 24.2        | 24.4 | 24.6 | 25.1 | 23.9           | 24.2 | 24.4 | 24.6 | 25.1 |  |
|   | 8H  | 23.9             | 24.1        | 24.3 | 24.5 | 25.0 | 23.9           | 24.1 | 24.3 | 24.5 | 25.0 |  |
|   | 12H | 23.8             | 24.0        | 24.3 | 24.5 | 25.0 | 23.8           | 24.0 | 24.3 | 24.5 | 25.0 |  |
| 12H   | 4H  | 24.0             | 24.2        | 24.4 | 24.7 | 25.1 | 24.0           | 24.2 | 24.4 | 24.7 | 25.1 |  |
|   | 6H  | 23.9             | 24.1        | 24.3 | 24.5 | 25.0 | 23.9           | 24.1 | 24.3 | 24.5 | 25.0 |  |
|   | 8H  | 23.8             | 24.0        | 24.3 | 24.5 | 25.0 | 23.8           | 24.0 | 24.3 | 24.5 | 25.0 |  |
| Variations with the observer position at spacing:         |     |                  |             |      |      |      |                |      |      |      |      |  |
| S =   |     | 1.0H             | 3.5 / -18.1 |      |      |      | 3.5 / -18.1    |      |      |      |      |  |
|   |     | 1.5H             | 5.5 / -28.2 |      |      |      | 5.5 / -28.2    |      |      |      |      |  |
|   |     | 2.0H             | 7.5 / -29.2 |      |      |      | 7.5 / -29.2    |      |      |      |      |  |