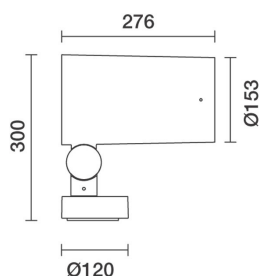


Last information update: March 2025

**Product configuration: EI76**

EI76: Spotlight with base - Neutral White Led - integrated electronic control gear - Spot optic

**Product code**

EI76: Spotlight with base - Neutral White Led - integrated electronic control gear - Spot optic

**Technical description**

Spotlight designed to use LED lamps and a Spot 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 via pole.

**Colour**

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

**Weight (Kg)**

6.56

**Mounting**

wall arm|ground surface|wall surface|ceiling surface

**Wiring**

Double PG.

Complies with EN60598-1 and pertinent regulations



IK07

IP66

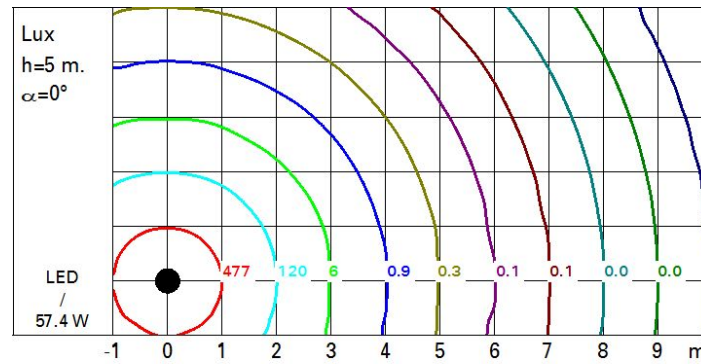
**Technical data**

|  |       |  |   |
|--|-------|--|---|
| Im system:   | 6000  | Life Time LED 1:   | 100.000h - L90 - B10 (Ta 25°C)  |
| W system:  | 57.4  | Lamp code:   | LED   |
| Im source:   | 8000  | Number of lamps for optical assembly:                                    | 1   |
| W source:  | 53    | ZVEI Code:   | LED   |
| Luminous efficiency (Im/W, real value):            | 104.5 | Number of optical assemblies:  | 1   |
| Im in emergency mode:                              | -     | Intervalllo temperatura ambiente:  | from -30°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.) [%]:                   | 75    | Power factor:  | See installation instructions   |
| Beam angle [°]:                                    | 16°   | Inrush current:  | 43 A / 260 µs   |
| CRI (minimum):                                     | 80    | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 6 luminaires<br>B16A: 10 luminaires<br>C10A: 10 luminaires<br>C16A: 17 luminaires |
| Colour temperature [K]:                            | 4000  | Overvoltage protection:  | 10kV Common mode & 6kV Differential mode  |
| MacAdam Step:                                      | 2     | Control:   | DALI-2  |

**Polar**

| Imax=41312 cd |      | Lux |      |  |  |
|---------------|------|-----|------|--|--|
| h             | d    | Em  | Emax |  |  |
| 15            | 4.4  | 149 | 184  |  |  |
| 30            | 8.7  | 37  | 46   |  |  |
| 45            | 13.1 | 17  | 20   |  |  |
| 60            | 17.4 | 9   | 11   |  |  |

### Isolux



### UGR diagram

| Corrected UGR values (at 8000 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  | 0.3              | 2.5  | 0.7    | 2.8  | 3.1  | 0.3            | 2.5  | 0.7    | 2.8  | 3.1  |
|   | 3H  | 0.5              | 2.1  | 0.9    | 2.4  | 2.7  | 0.3            | 1.9  | 0.7    | 2.2  | 2.6  |
|   | 4H  | 0.5              | 1.8  | 0.9    | 2.1  | 2.5  | 0.3            | 1.6  | 0.7    | 1.9  | 2.3  |
|   | 6H  | 0.5              | 1.5  | 0.9    | 1.8  | 2.2  | 0.3            | 1.3  | 0.7    | 1.6  | 2.0  |
|   | 8H  | 0.5              | 1.5  | 0.9    | 1.8  | 2.2  | 0.3            | 1.3  | 0.6    | 1.6  | 2.0  |
|   | 12H | 0.4              | 1.5  | 0.8    | 1.8  | 2.2  | 0.2            | 1.2  | 0.6    | 1.6  | 2.0  |
| 4H  | 2H  | 0.3              | 1.6  | 0.7    | 1.9  | 2.3  | 0.5            | 1.8  | 0.9    | 2.1  | 2.5  |
|   | 3H  | 0.5              | 1.6  | 0.9    | 1.9  | 2.3  | 0.6            | 1.6  | 1.0    | 2.0  | 2.3  |
|   | 4H  | 0.5              | 1.6  | 0.9    | 2.0  | 2.4  | 0.5            | 1.6  | 0.9    | 2.0  | 2.4  |
|   | 6H  | 0.2              | 2.0  | 0.7    | 2.4  | 2.9  | 0.2            | 2.0  | 0.7    | 2.4  | 2.9  |
|   | 8H  | 0.1              | 2.0  | 0.6    | 2.5  | 3.0  | 0.1            | 2.0  | 0.6    | 2.5  | 3.0  |
|   | 12H | 0.0              | 2.0  | 0.5    | 2.5  | 3.0  | 0.0            | 2.0  | 0.5    | 2.5  | 3.0  |
| 8H  | 4H  | 0.1              | 2.0  | 0.6    | 2.5  | 3.0  | 0.1            | 2.0  | 0.6    | 2.5  | 3.0  |
|   | 6H  | 0.1              | 1.9  | 0.6    | 2.3  | 2.9  | 0.1            | 1.9  | 0.6    | 2.4  | 2.9  |
|   | 8H  | 0.1              | 1.6  | 0.6    | 2.1  | 2.7  | 0.1            | 1.6  | 0.6    | 2.1  | 2.7  |
|   | 12H | 0.3              | 1.2  | 0.8    | 1.7  | 2.3  | 0.3            | 1.2  | 0.8    | 1.7  | 2.2  |
| 12H   | 4H  | 0.0              | 2.0  | 0.5    | 2.5  | 3.0  | 0.0            | 2.0  | 0.5    | 2.5  | 3.0  |
|   | 6H  | 0.1              | 1.6  | 0.6    | 2.1  | 2.7  | 0.1            | 1.6  | 0.6    | 2.1  | 2.7  |
|   | 8H  | 0.3              | 1.2  | 0.8    | 1.7  | 2.2  | 0.3            | 1.2  | 0.8    | 1.7  | 2.3  |
| Variations with the observer position at spacing:         |     |                  |      |        |      |      |                |      |        |      |      |
| S =   |     | 1.0H             | 4.0  | / -3.5 |      |      |                | 4.0  | / -3.5 |      |      |
|   |     | 1.5H             | 6.6  | / -4.0 |      |      |                | 6.6  | / -4.0 |      |      |
|   |     | 2.0H             | 8.5  | / -4.8 |      |      |                | 8.5  | / -4.8 |      |      |