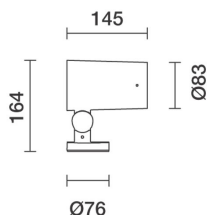


Last information update: May 2018

**Spotlight with base - Neutral White Led - Class III - Medium optic****Product code**

Q702

**Technical description**

Spotlight designed to use LED lamps and a Medium 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 is supplied with a PG13.5 cable gland and black rubber outlet cable complete with anti-transpiration device. Electronic ballast to be ordered separately. 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 a stake.

**Dimension (mm)**

Ø83

**Colour**

White (01) | Grey (15)

**Weight (Kg)**

1.3

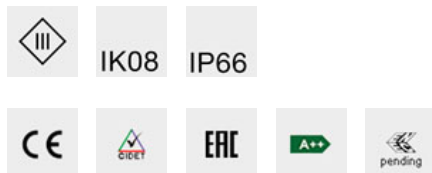
**Mounting**

wall surface|ground spike

**Wiring**

The product is supplied with a black rubber outlet cable complete with anti-transpiration device L=1000mm.

Complies with EN60598-1 and pertinent regulations

**Product configuration: Q702****Product characteristics**

Total lighting output [Lm]: 1351  
 Total power [W]: 12  
 Luminous efficacy [Lm/W]: 112.5  
 Life Time: 100,000h - L80 - B10 (Ta 25°C)  
 Ambient temperature range: from -20°C to +35°C. (\*)

Total luminous flux at or above an angle of 90° [Lm]: 0  
 Emergency luminous flux [Lm]: /  
 Voltage [V]: -  
 Life Time: 100,000h - L80 - B10 (Ta 40°C)  
 Number of optical assemblies: 1

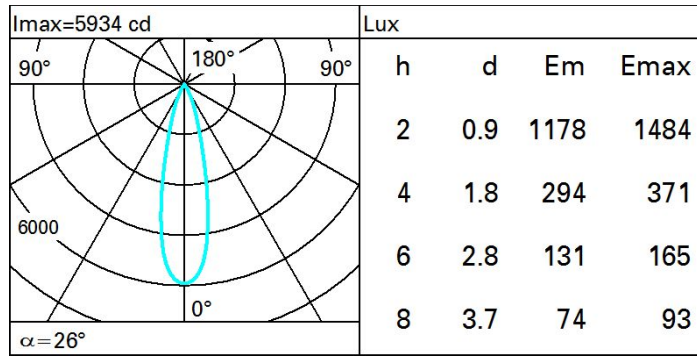
\* Preliminary data

**Optical assembly Characteristics Type 1**

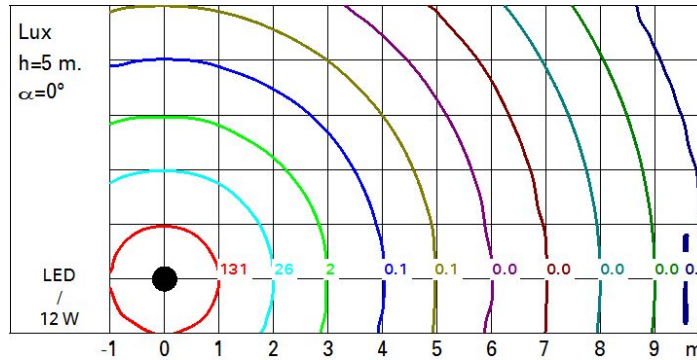
Light Output Ratio (L.O.R.) [%]: 73  
 Lamp code: LED  
 ZVEI Code: LED  
 Nominal power [W]: 12  
 Nominal luminous [Lm]: 1850  
 Lamp maximum intensity [cd]: /  
 Beam angle [°]: 26°

Number of lamps for optical assembly: 1  
 Socket: /  
 Ballast losses [W]: 0  
 Colour temperature [K]: 4000  
 CRI: 80  
 Wavelength [Nm]: /  
 MacAdam Step: 2

**Polar**



**Isolux**



**UGR diagram**

| Corrected UGR values (at 1850 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  | 1.2              | 3.3  | 1.5  | 3.6  | 4.0  | 1.2            | 3.3  | 1.5  | 3.6  | 4.0  |
|   | 3H  | 1.3              | 3.0  | 1.7  | 3.3  | 3.7  | 1.1            | 2.8  | 1.5  | 3.1  | 3.5  |
|   | 4H  | 1.4              | 2.8  | 1.8  | 3.1  | 3.5  | 1.1            | 2.5  | 1.5  | 2.8  | 3.2  |
|   | 6H  | 1.4              | 2.5  | 1.8  | 2.8  | 3.2  | 1.1            | 2.2  | 1.5  | 2.5  | 2.9  |
|   | 8H  | 1.4              | 2.4  | 1.8  | 2.8  | 3.2  | 1.1            | 2.1  | 1.5  | 2.5  | 2.8  |
|   | 12H | 1.4              | 2.4  | 1.8  | 2.8  | 3.1  | 1.0            | 2.1  | 1.4  | 2.4  | 2.8  |
| 4H  | 2H  | 1.1              | 2.5  | 1.5  | 2.8  | 3.2  | 1.4            | 2.8  | 1.8  | 3.1  | 3.5  |
|   | 3H  | 1.5              | 2.5  | 1.9  | 2.8  | 3.2  | 1.5            | 2.6  | 1.9  | 2.9  | 3.3  |
|   | 4H  | 1.5              | 2.5  | 1.9  | 2.9  | 3.3  | 1.5            | 2.5  | 1.9  | 2.9  | 3.3  |
|   | 6H  | 1.2              | 3.0  | 1.7  | 3.4  | 3.9  | 1.2            | 2.9  | 1.7  | 3.4  | 3.8  |
|   | 8H  | 1.1              | 3.0  | 1.6  | 3.5  | 4.0  | 1.1            | 3.0  | 1.6  | 3.5  | 4.0  |
|   | 12H | 1.0              | 3.0  | 1.6  | 3.5  | 4.0  | 1.0            | 3.0  | 1.5  | 3.5  | 4.0  |
| 8H  | 4H  | 1.1              | 3.0  | 1.6  | 3.5  | 4.0  | 1.1            | 3.0  | 1.6  | 3.5  | 4.0  |
|   | 6H  | 1.1              | 2.9  | 1.6  | 3.4  | 4.0  | 1.1            | 2.9  | 1.6  | 3.4  | 4.0  |
|   | 8H  | 1.1              | 2.8  | 1.6  | 3.2  | 3.8  | 1.1            | 2.8  | 1.6  | 3.2  | 3.8  |
|   | 12H | 1.3              | 2.4  | 1.8  | 2.9  | 3.4  | 1.3            | 2.3  | 1.8  | 2.8  | 3.4  |
| 12H   | 4H  | 1.0              | 3.0  | 1.5  | 3.5  | 4.0  | 1.0            | 3.0  | 1.6  | 3.5  | 4.0  |
|   | 6H  | 1.1              | 2.7  | 1.6  | 3.2  | 3.8  | 1.1            | 2.7  | 1.6  | 3.2  | 3.8  |
|   | 8H  | 1.3              | 2.3  | 1.8  | 2.8  | 3.4  | 1.3            | 2.4  | 1.8  | 2.9  | 3.4  |
| Variations with the observer position at spacing:         |     |                  |      |      |      |      |                |      |      |      |      |
| S =   |     | 1.0H             |      |      |      |      | 4.9 / -2.9     |      |      |      |      |
|   |     | 1.5H             |      |      |      |      | 7.5 / -3.9     |      |      |      |      |
|   |     | 2.0H             |      |      |      |      | 9.4 / -4.1     |      |      |      |      |