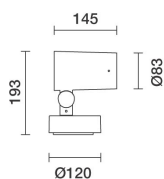


Last information update: June 2018

**Spotlight with base - Warm White Led - integrated electronic control gear - Flood optic****Product code**

EH94

**Technical description**

Spotlight designed to use LED lamps and a 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 On/Off 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.

**Dimension (mm)**

Ø83

**Colour**

White (01) | Grey (15)

**Weight (Kg)**

1.9

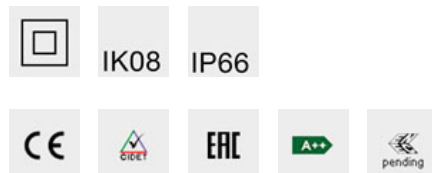
**Mounting**

wall surface|ground spike

**Wiring**

Double PG.

Complies with EN60598-1 and pertinent regulations

**Product configuration: EH94****Product characteristics**

Total lighting output [Lm]: 595  
 Total power [W]: 10.9  
 Luminous efficacy [Lm/W]: 54.6  
 Life Time: 70,000h - 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: 70,000h - L80 - B10 (Ta 40°C)  
 Number of optical assemblies: 1

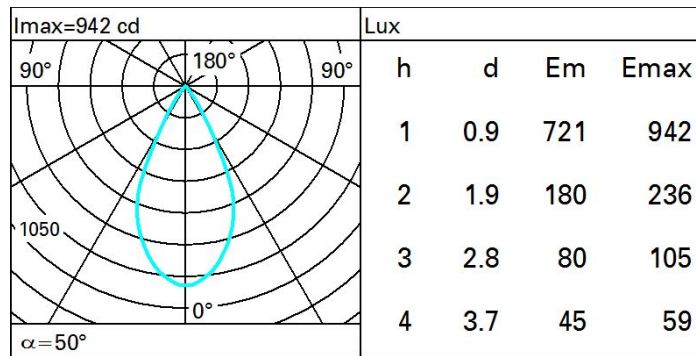
\* Preliminary data

**Optical assembly Characteristics Type 1**

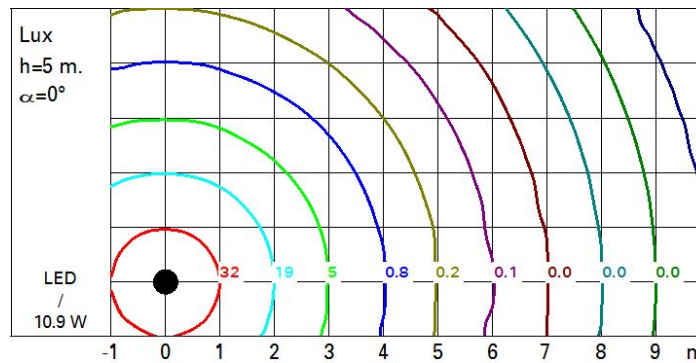
Light Output Ratio (L.O.R.) [%]: 70  
 Lamp code: LED  
 ZVEI Code: LED  
 Nominal power [W]: 9.1  
 Nominal luminous [Lm]: 850  
 Lamp maximum intensity [cd]: /  
 Beam angle [°]: 50°

Number of lamps for optical assembly: 1  
 Socket: /  
 Ballast losses [W]: 1.8  
 Colour temperature [K]: 3000  
 CRI: 80  
 Wavelength [Nm]: /  
 MacAdam Step: 3

### Polar



### Isolux



### UGR diagram

| Corrected UGR values (at 850 lm bare lamp luminous flux)         |     |                     |      |      |      |      |                   |      |      |      |      |
|--|-----|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.:<br>ceiling/cav<br>walls<br>work pl.<br>Room dim<br>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<br>crosswise |      |      |      |      | viewed<br>endwise |      |      |      |      |
| 2H   | 2H  | 13.8                | 14.4 | 14.1 | 14.6 | 14.9 | 13.8              | 14.4 | 14.1 | 14.6 | 14.9 |
|  | 3H  | 13.7                | 14.2 | 14.0 | 14.5 | 14.7 | 13.7              | 14.2 | 14.0 | 14.5 | 14.7 |
|  | 4H  | 13.6                | 14.1 | 13.9 | 14.4 | 14.7 | 13.6              | 14.1 | 13.9 | 14.4 | 14.7 |
|  | 6H  | 13.5                | 14.0 | 13.9 | 14.3 | 14.6 | 13.5              | 14.0 | 13.9 | 14.3 | 14.6 |
|  | 8H  | 13.5                | 13.9 | 13.9 | 14.2 | 14.6 | 13.5              | 13.9 | 13.9 | 14.3 | 14.6 |
|  | 12H | 13.5                | 13.9 | 13.8 | 14.2 | 14.6 | 13.5              | 13.9 | 13.8 | 14.2 | 14.6 |
| 4H   | 2H  | 13.6                | 14.1 | 13.9 | 14.4 | 14.7 | 13.6              | 14.1 | 13.9 | 14.4 | 14.7 |
|  | 3H  | 13.5                | 13.9 | 13.8 | 14.2 | 14.6 | 13.5              | 13.9 | 13.8 | 14.2 | 14.6 |
|  | 4H  | 13.4                | 13.7 | 13.8 | 14.1 | 14.5 | 13.4              | 13.7 | 13.8 | 14.1 | 14.5 |
|  | 6H  | 13.3                | 13.6 | 13.7 | 14.0 | 14.4 | 13.3              | 13.6 | 13.7 | 14.0 | 14.4 |
|  | 8H  | 13.2                | 13.5 | 13.7 | 13.9 | 14.4 | 13.2              | 13.5 | 13.7 | 13.9 | 14.4 |
|  | 12H | 13.2                | 13.5 | 13.6 | 13.9 | 14.3 | 13.2              | 13.5 | 13.6 | 13.9 | 14.3 |
| 8H   | 4H  | 13.2                | 13.5 | 13.7 | 13.9 | 14.4 | 13.2              | 13.5 | 13.7 | 13.9 | 14.4 |
|  | 6H  | 13.2                | 13.4 | 13.6 | 13.8 | 14.3 | 13.2              | 13.4 | 13.6 | 13.8 | 14.3 |
|  | 8H  | 13.1                | 13.3 | 13.6 | 13.8 | 14.3 | 13.1              | 13.3 | 13.6 | 13.8 | 14.3 |
|  | 12H | 13.0                | 13.2 | 13.5 | 13.7 | 14.2 | 13.0              | 13.2 | 13.5 | 13.7 | 14.2 |
| 12H  | 4H  | 13.2                | 13.5 | 13.6 | 13.9 | 14.3 | 13.2              | 13.5 | 13.6 | 13.9 | 14.3 |
|  | 6H  | 13.1                | 13.3 | 13.6 | 13.8 | 14.3 | 13.1              | 13.3 | 13.6 | 13.8 | 14.3 |
|  | 8H  | 13.0                | 13.2 | 13.5 | 13.7 | 14.2 | 13.0              | 13.2 | 13.5 | 13.7 | 14.2 |
| Variations with the observer position at spacing:                |     |                     |      |      |      |      |                   |      |      |      |      |
| S =  |     | 5.7 / -12.4         |      |      |      |      | 5.7 / -12.4       |      |      |      |      |
|  |     | 8.5 / -16.2         |      |      |      |      | 8.5 / -16.2       |      |      |      |      |
|  |     | 10.5 / -20.3        |      |      |      |      | 10.5 / -20.3      |      |      |      |      |