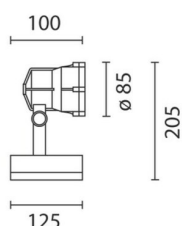


Last information update: April 2024

**Product configuration: E198**

E198: Spotlight with base - Neutral White Led - integrated electronic control gear - Medium optic

**Product code**

E198: Spotlight with base - Neutral White Led - integrated electronic control gear - Medium optic

**Technical description**

Spotlight designed to use LED lamps and a medium optic. Consists of an optical assembly and a base. The optical assembly, arm, base and frame holder are 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. The 4 mm thick, tempered, sodium-calcium, closing glass is colourless, transparent and secured with captive screws. The 50/60 Shore A silicone seal has been subject to post-cooling treatment, in an oven, for 4-6 hours at 200 °C. The optical assembly allows vertical and horizontal adjustments, with the possibility of locking the adjustment for aiming, and it has slots in the frame for rainwater drainage. Optic with an interchangeable PMMA lens complete with captive screws. Complete with Neutral White colour monochrome LED circuit. The cable gland for connecting the wiring assembly to the lamp assembly is made of M11x1 stainless steel. For the power supply, the device is fitted with a black polyamide PG11 cable gland, suitable for 6.5 to 11.5 mm cables. All external screws used are made of A2 stainless steel.

**Installation**

The luminaire can be floor, ceiling or wall-mounted using either screw anchors for concrete, cement and solid brick or various other available accessories.

**Colour**

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

**Weight (Kg)**

1.05

**Mounting**

wall arm|wall surface|ground anchored|ground spike|ceiling surface

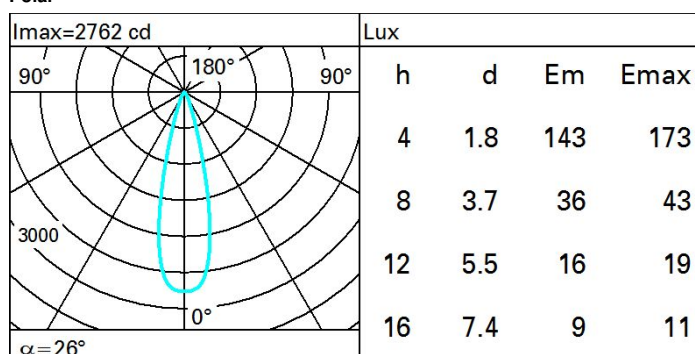
**Wiring**

Control gear complete with electronic ballast (220÷240Vac 50/60Hz)

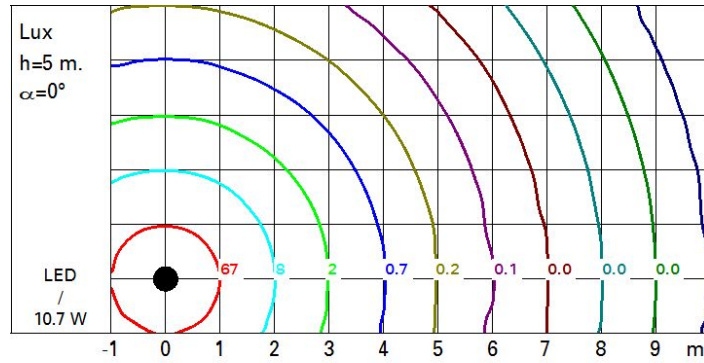
Complies with EN60598-1 and pertinent regulations

**Technical data**

|                                                    |      |                                                                          |                                                                                          |
|----------------------------------------------------|------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Im system:                                         | 655  | Life Time LED 1:                                                         | 98,000h - L80 - B10 (Ta 25°C)                                                            |
| W system:                                          | 10.7 | Life Time LED 2:                                                         | 99,000h - L80 - B10 (Ta 40°C)                                                            |
| Im source:                                         | 910  | Lamp code:                                                               | LED                                                                                      |
| W source:                                          | 7.9  | Number of lamps for optical assembly:                                    | 1                                                                                        |
| Luminous efficiency (lm/W, real value):            | 61.2 | ZVEI Code:                                                               | LED                                                                                      |
| Im in emergency mode:                              | -    | Number of optical assemblies:                                            | 1                                                                                        |
| Total light flux at or above an angle of 90° [Lm]: | 0    | Intervallo temperatura ambiente:                                         | from -30°C to 50°C.                                                                      |
| Light Output Ratio (L.O.R.) [%]:                   | 72   | Power factor:                                                            | See installation instructions                                                            |
| Beam angle [°]:                                    | 26°  | Inrush current:                                                          | 27 A / 250 µs                                                                            |
| CRI (minimum):                                     | 80   | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 17 luminaires<br>B16A: 27 luminaires<br>C10A: 28 luminaires<br>C16A: 45 luminaires |
| Colour temperature [K]:                            | 4000 | Overvoltage protection:                                                  | 2kV Common mode & 1kV Differential mode                                                  |
| MacAdam Step:                                      | 2    |                                                                          |                                                                                          |

**Polar**

### Isolux



### UGR diagram

| Corrected UGR values (at 910 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 | 0.30 |
|                                                                  |     | 0.50                | 0.30        | 0.50 | 0.30 | 0.30 | 0.50              | 0.30 | 0.50 | 0.30 | 0.30 | 0.30 |
|                                                                  |     | 0.20                | 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  | 10.9                | 12.8        | 11.2 | 13.2 | 13.5 | 10.9              | 12.8 | 11.2 | 13.2 | 13.5 |      |
|                                                                  | 3H  | 10.8                | 12.3        | 11.1 | 12.6 | 12.9 | 10.8              | 12.3 | 11.2 | 12.6 | 12.9 |      |
|                                                                  | 4H  | 10.7                | 12.0        | 11.1 | 12.3 | 12.6 | 10.7              | 12.0 | 11.1 | 12.3 | 12.6 |      |
|                                                                  | 6H  | 10.7                | 11.7        | 11.1 | 12.0 | 12.3 | 10.7              | 11.7 | 11.1 | 12.0 | 12.4 |      |
|                                                                  | 8H  | 10.6                | 11.6        | 11.0 | 12.0 | 12.3 | 10.6              | 11.6 | 11.0 | 12.0 | 12.3 |      |
|                                                                  | 12H | 10.6                | 11.6        | 11.0 | 11.9 | 12.3 | 10.6              | 11.6 | 11.0 | 11.9 | 12.3 |      |
| 4H                                                               | 2H  | 10.7                | 12.0        | 11.1 | 12.3 | 12.6 | 10.7              | 12.0 | 11.1 | 12.3 | 12.6 |      |
|                                                                  | 3H  | 10.7                | 11.6        | 11.1 | 12.0 | 12.4 | 10.7              | 11.6 | 11.1 | 12.0 | 12.4 |      |
|                                                                  | 4H  | 10.5                | 11.5        | 11.0 | 11.9 | 12.3 | 10.5              | 11.5 | 11.0 | 11.9 | 12.3 |      |
|                                                                  | 6H  | 10.2                | 11.8        | 10.7 | 12.2 | 12.7 | 10.2              | 11.8 | 10.7 | 12.2 | 12.7 |      |
|                                                                  | 8H  | 10.1                | 11.8        | 10.6 | 12.3 | 12.8 | 10.1              | 11.8 | 10.6 | 12.3 | 12.8 |      |
|                                                                  | 12H | 10.0                | 11.8        | 10.5 | 12.3 | 12.8 | 10.0              | 11.8 | 10.5 | 12.3 | 12.8 |      |
| 8H                                                               | 4H  | 10.1                | 11.8        | 10.6 | 12.3 | 12.8 | 10.1              | 11.8 | 10.6 | 12.3 | 12.8 |      |
|                                                                  | 6H  | 10.0                | 11.6        | 10.5 | 12.1 | 12.7 | 10.0              | 11.6 | 10.5 | 12.1 | 12.7 |      |
|                                                                  | 8H  | 10.0                | 11.4        | 10.5 | 11.9 | 12.5 | 10.0              | 11.4 | 10.5 | 11.9 | 12.5 |      |
|                                                                  | 12H | 10.1                | 11.1        | 10.6 | 11.6 | 12.1 | 10.0              | 11.1 | 10.6 | 11.6 | 12.1 |      |
| 12H                                                              | 4H  | 10.0                | 11.8        | 10.5 | 12.3 | 12.8 | 10.0              | 11.8 | 10.5 | 12.3 | 12.8 |      |
|                                                                  | 6H  | 10.0                | 11.4        | 10.5 | 11.9 | 12.5 | 10.0              | 11.4 | 10.5 | 11.9 | 12.5 |      |
|                                                                  | 8H  | 10.0                | 11.1        | 10.6 | 11.6 | 12.1 | 10.1              | 11.1 | 10.6 | 11.6 | 12.1 |      |
| Variations with the observer position at spacing:                |     |                     |             |      |      |      |                   |      |      |      |      |      |
| S =                                                              |     | 1.0H                | 3.5 / -5.8  |      |      |      | 3.5 / -5.8        |      |      |      |      |      |
|                                                                  |     | 1.5H                | 6.1 / -8.3  |      |      |      | 6.1 / -8.3        |      |      |      |      |      |
|                                                                  |     | 2.0H                | 8.1 / -10.6 |      |      |      | 8.1 / -10.6       |      |      |      |      |      |