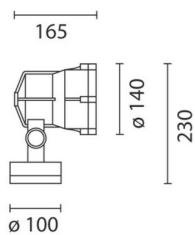


Last information update: October 2023

Product configuration: BA40

BA40: Spotlight - LED Neutral White - with base equipped with electronic power supply - Spot optic

**Product code**BA40: Spotlight - LED Neutral White - with base equipped with electronic power supply - Spot optic **Attention! Code no longer in production****Technical description**

Spotlight designed for Neutral White (4200K) LED sources with Spot optic. Composed of optical assembly and component-holding base. The optical assembly, arm, base and frame are made of aluminium alloy and subjected to phosphochromatisation treatment, double primer, passivation at 120° C. Acrylic liquid paint finish with high resistance to atmospheric agents and UV rays; baking at 150°C. The cover glass is made of sodium-calcium tempered transparent colourless glass with 4 mm thickness and grey customised serigraphy. It is fixed with captive screws. The silicone gasket is subjected to post-cooling treatment in oven at 200° C. The optical assembly allows for vertical and horizontal orientation, with mechanical locking device to ensure stable aiming; slots on the frame for downflow of rainwater. Spot optics with plastic lenses. Circuit complete with 12 monochromatic Neutral White (4200K) LEDs. Complete with terminal for through earthing cable and ready for through wiring by means of two PG11 black polyamide cable clamps suitable for Ø 6,5÷11 mm cables. All external screws are made of stainless steel A2. Complete with lamp.

Installation

The fitting can be installed in pavement, ground, wall and tree branches.

Colour

Black (04) | Grey (15)

Weight (Kg)

1.8

Mounting

external wall corner|wall arm|wall surface|ground spike|surface box|free standing

Wiring

Luminaire provided with built-in electronic control gear (100÷240Vac, 50/60Hz, 350mA).

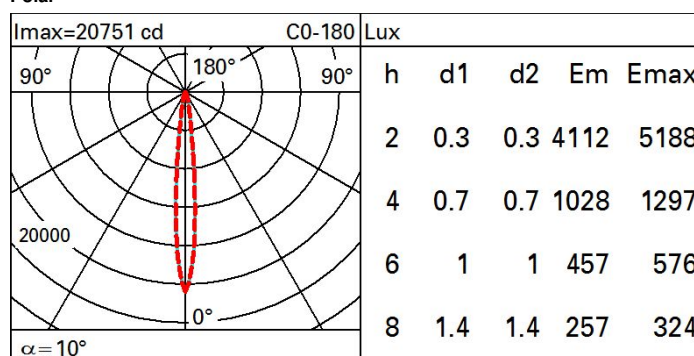
Notes

Complete with lamp. Accessories available: refractor, wall washer screen, spike for ground installation, base for 90° corner installation, support for post mounting and belt for installation on trees.

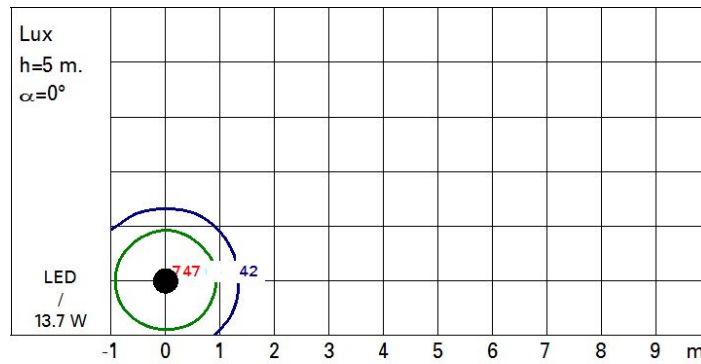
Complies with EN60598-1 and pertinent regulations

**Technical data**

| | | | |
|--|-------|---------------------------------------|--------------------------------|
| Im system: | 1400 | Colour temperature [K]: | 4000 |
| W system: | 13.7 | MacAdam Step: | 3 |
| Im source: | 1750 | Life Time LED 1: | 100,000h - L80 - B10 (Ta 25°C) |
| W source: | 12 | Life Time LED 2: | 100,000h - L80 - B10 (Ta 40°C) |
| Luminous efficiency (Im/W, real value): | 102.2 | Ballast losses [W]: | 1.7 |
| Im in emergency mode: | - | Lamp code: | LED |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Number of lamps for optical assembly: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 80 | ZVEI Code: | LED |
| Beam angle [°]: | 10° | Number of optical assemblies: | 1 |
| CRI: | 80 | Intervallo temperatura ambiente: | from -20°C to +35°C. |

Polar

Isolux



UGR diagram

| Corrected UGR values (at 1750 lm bare lamp luminous flux) | | | | | | | | | | | |
|---|-----|------------------|-------------|------|------|------|----------------|------|------|------|------|
| Reflect.: | | | | | | | | | | | |
| 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 | 8.2 | 10.2 | 8.6 | 10.5 | 10.9 | 8.2 | 10.2 | 8.6 | 10.5 | 10.8 |
| | 3H | 8.2 | 9.5 | 8.6 | 9.8 | 10.1 | 8.4 | 9.7 | 8.7 | 10.0 | 10.3 |
| | 4H | 8.2 | 9.2 | 8.5 | 9.5 | 9.8 | 8.4 | 9.4 | 8.7 | 9.7 | 10.0 |
| | 6H | 8.1 | 8.9 | 8.5 | 9.2 | 9.5 | 8.3 | 9.1 | 8.7 | 9.4 | 9.7 |
| | 8H | 8.1 | 8.9 | 8.4 | 9.2 | 9.6 | 8.2 | 9.1 | 8.6 | 9.4 | 9.8 |
| | 12H | 8.0 | 8.9 | 8.4 | 9.3 | 9.6 | 8.2 | 9.1 | 8.6 | 9.4 | 9.8 |
| 4H | 2H | 8.4 | 9.4 | 8.8 | 9.7 | 10.0 | 8.1 | 9.1 | 8.5 | 9.5 | 9.8 |
| | 3H | 8.3 | 9.2 | 8.7 | 9.6 | 9.9 | 8.2 | 9.2 | 8.6 | 9.5 | 9.9 |
| | 4H | 8.1 | 9.3 | 8.5 | 9.7 | 10.1 | 8.1 | 9.3 | 8.5 | 9.7 | 10.1 |
| | 6H | 7.8 | 9.5 | 8.2 | 9.9 | 10.4 | 7.8 | 9.5 | 8.2 | 9.9 | 10.4 |
| | 8H | 7.7 | 9.5 | 8.1 | 10.0 | 10.5 | 7.6 | 9.5 | 8.1 | 10.0 | 10.5 |
| | 12H | 7.6 | 9.4 | 8.1 | 9.9 | 10.4 | 7.6 | 9.4 | 8.1 | 9.9 | 10.4 |
| 8H | 4H | 7.7 | 9.5 | 8.1 | 10.0 | 10.5 | 7.6 | 9.5 | 8.1 | 10.0 | 10.5 |
| | 6H | 7.6 | 9.2 | 8.1 | 9.7 | 10.2 | 7.6 | 9.2 | 8.1 | 9.7 | 10.2 |
| | 8H | 7.6 | 8.9 | 8.1 | 9.4 | 9.9 | 7.6 | 8.9 | 8.1 | 9.4 | 9.9 |
| | 12H | 7.8 | 8.5 | 8.3 | 9.0 | 9.5 | 7.8 | 8.5 | 8.3 | 9.0 | 9.5 |
| 12H | 4H | 7.6 | 9.4 | 8.1 | 9.9 | 10.4 | 7.6 | 9.4 | 8.1 | 9.9 | 10.4 |
| | 6H | 7.6 | 8.9 | 8.1 | 9.4 | 9.9 | 7.6 | 8.9 | 8.1 | 9.4 | 9.9 |
| | 8H | 7.8 | 8.5 | 8.3 | 9.0 | 9.5 | 7.8 | 8.5 | 8.3 | 9.0 | 9.5 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | | 1.0H | 2.1 / -2.3 | | | | 2.2 / -2.4 | | | | |
| | | 1.5H | 3.7 / -6.8 | | | | 3.7 / -8.0 | | | | |
| | | 2.0H | 5.5 / -10.8 | | | | 5.5 / -10.2 | | | | |