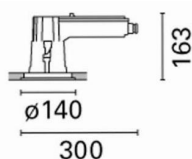


Last information update: April 2024

Product configuration: BE51+L080

BE51: Ceiling-mounted recessed luminaire with IP66 protection rating, small body, Max 50W QR-CBC51 GU5.3 adjustable

**Product code**

BE51: Ceiling-mounted recessed luminaire with IP66 protection rating, small body, Max 50W QR-CBC51 GU5.3 adjustable

Attention! Code no longer in production**Technical description**

Downlighter with QR-CBC51 GU5.3 halogen lamps. Consists of a round optical assembly, frame, lateral component holder box and an outer casing to be ordered separately where necessary. The optical assembly and frame are made of aluminium alloy, coated with liquid acrylic paint with a high level of weather and UV ray resistance. The tempered sodium - calcium sealing glass is transparent, with customised serigraphy on the edge, 4mm thick, joined to the frame with silicone. Adjustable optic: $\pm 15^\circ$ about the vertical axis and 180° relative to the horizontal plane. Adjustable versions have a system for aiming the optic using a tool even when the lamp is on (without the risk of burns). Complete with a black-painted aluminium multi-groove ring. The lateral component holder box and top end cap are made of high performance black plastic; complete with a silicone internal seal to guarantee watertightness. The optical assembly and lateral box are connected by a stainless steel threaded connector with a cable gland rubber gasket for a watertight seal. Set up for pass-through wiring using two PG13.5 grey polyamide cable glands, suitable for cables with diameter 8.5 - 12.5mm. Ceiling-mounting system consists of special A2 stainless steel screws complete with black aluminium alloy and plastic coupling supports. The frame and the caps of the lateral component holder box come complete with A2 stainless steel captive screws. There is a single tool (No. 3 Allen key) for opening the frame, the lateral box cap and for the fixing system. The outer casing for concrete ceilings is made of black-painted ready-galvanised sheet aluminium complete with an end cap and threaded bar.

Installation

Recessed in false ceilings 5 - 50mm thick. Hole for preparation of false ceiling $\varnothing=125\text{mm}$. Installed on concrete ceilings using an outer casing, to be ordered separately.

Colour

Grey (15)

Mounting

ceiling surface

Wiring

Luminaire equipped with electronic transformer 230/240V 50/60Hz

Notes

Plastic adapter disk available for flush-mounting the frame on ceilings made of concrete exposed to view (can only be used with the product with aluminium frame, without the stainless cover). Products set up for installation of a stainless steel safety kit L=2000mm.

Complies with EN60598-1 and pertinent regulations

**Technical data**

| | | | |
|-----------------------------------------------------------|------------|---------------------------------------|---------------------------------------------------|
| Im system: | 1027 | Colour temperature [K]: | 3000 |
| W system: | 55 | Lamp maximum intensity | 1100 |
| Im source: | 1027 | [cd]: | |
| W source: | 50 | Voltage [Vin]: | 12 |
| Luminous efficiency (Im/W, real value): | 18.7 | Lamp code: | L080 |
| Im in emergency mode: | - | Socket: | GU5,3 |
| 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.) [%]: | 100 | ZVEI Code: | QR-CBC 51 |
| Beam angle $[\alpha]$: | 58° | Number of optical assemblies: | 1 |
| CRI: | 100 | Intervallo temperatura ambiente: | from -20°C to $+35^\circ\text{C}$. |

Polar

| Imax=1104 cd | | Lux | | | |
|---------------------|------|-----|-----|-----|------|
| | | h | d | Em | Emax |
| | 90° | 1 | 1.1 | 793 | 1103 |
| | 180° | 2 | 2.2 | 198 | 276 |
| | 90° | 3 | 3.3 | 88 | 123 |
| | 0° | 4 | 4.4 | 50 | 69 |
| $\alpha = 58^\circ$ | | | | | |

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|-----|-----|-----|-----|-----|-----|----|----|-----|
| K0.8 | 82 | 75 | 70 | 67 | 74 | 70 | 69 | 65 | 65 |
| 1.0 | 87 | 81 | 76 | 73 | 80 | 76 | 75 | 71 | 71 |
| 1.5 | 94 | 89 | 86 | 83 | 88 | 85 | 84 | 80 | 80 |
| 2.0 | 98 | 95 | 92 | 89 | 93 | 90 | 89 | 86 | 86 |
| 2.5 | 101 | 98 | 95 | 93 | 96 | 94 | 93 | 89 | 89 |
| 3.0 | 102 | 100 | 98 | 96 | 98 | 97 | 95 | 92 | 92 |
| 4.0 | 104 | 102 | 101 | 99 | 100 | 99 | 98 | 95 | 95 |
| 5.0 | 105 | 104 | 102 | 101 | 102 | 101 | 99 | 96 | 96 |

Luminance curve limit

