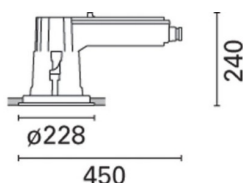


Last information update: May 2024

Product configuration: BE66+1768

BE66: Ceiling-mounted recessed luminaire with IP66 protection rating, large body, 35W HIT G12 fixed Flood

**Product code**BE66: Ceiling-mounted recessed luminaire with IP66 protection rating, large body, 35W HIT G12 fixed Flood **Attention! Code no longer in production****Technical description**

Downlighter with HIT metal halide lamps with fixed Flood optic. 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, 5mm thick, joined to the frame with silicone. Reflectors made of 99.96% super-pure aluminium, fixed to the assembly by quick-coupling springs. Fixed optic. Complete with a black-painted aluminium multi-groove ring. The lateral component holder box and top end cap are made of black-painted aluminium alloy, 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 M24x1.5 nickel-plated brass cable glands, suitable for cables with diameter 7 - 16mm. 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 - 60mm thick. Hole for preparation of false ceiling $\phi=212$ mm. Installed on concrete ceilings using an outer casing, to be ordered separately.

Colour

Grey (15)

Mounting

ceiling surface

Wiring

Luminaire equipped with electronic ballast 220/240V 50/60Hz

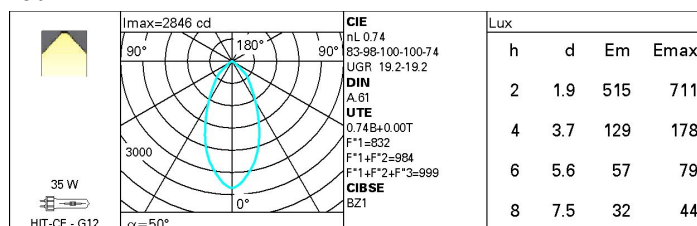
Notes

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**

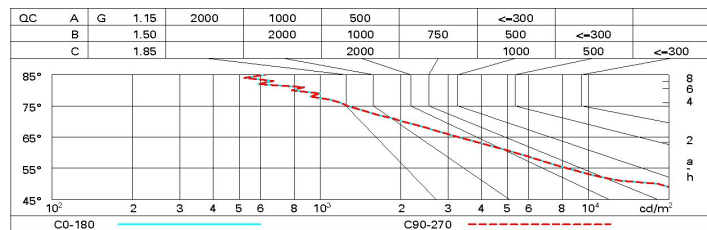
| | | | |
|--|------|---------------------------------------|----------------------|
| Im system: | 2442 | CRI: | 80 |
| W system: | 39 | Colour temperature [K]: | 3000 |
| Im source: | 3300 | Voltage [Vin]: | 230 |
| W source: | 35 | Lamp code: | 1768 |
| Luminous efficiency (Im/W, real value): | 62,6 | Socket: | G12 |
| Im in emergency mode: | - | Number of lamps for optical assembly: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | ZVEI Code: | HIT-CE |
| Light Output Ratio (L.O.R.) [%]: | 74 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 50° | Intervallo temperatura ambiente: | from -20°C to +35°C. |

Polar

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 61 | 56 | 53 | 50 | 55 | 52 | 52 | 49 | 66 |
| 1.0 | 65 | 61 | 57 | 55 | 60 | 57 | 57 | 53 | 72 |
| 1.5 | 70 | 67 | 64 | 62 | 66 | 64 | 63 | 60 | 81 |
| 2.0 | 73 | 71 | 69 | 67 | 69 | 68 | 67 | 64 | 87 |
| 2.5 | 75 | 73 | 71 | 70 | 72 | 70 | 69 | 67 | 90 |
| 3.0 | 76 | 74 | 73 | 72 | 73 | 72 | 71 | 69 | 93 |
| 4.0 | 77 | 76 | 75 | 74 | 75 | 74 | 73 | 70 | 95 |
| 5.0 | 78 | 77 | 76 | 75 | 75 | 75 | 73 | 71 | 96 |

Luminance curve limit



UGR diagram

| | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|
| Photometric curve code: BE60000.708 | | | | | | | | | | | |
| Corrected UGR values (at 3300 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 | | | | | | | | | | | |
| x | | | | | | | | | | | |
| y | | | | | | | | | | | |
| | | | | | | | | | | | |
| 2H | 2H | 19.6 | 20.4 | 19.9 | 20.6 | 20.9 | 19.6 | 20.4 | 19.9 | 20.6 | 20.9 |
| | 3H | 19.5 | 20.2 | 19.8 | 20.5 | 20.8 | 19.5 | 20.2 | 19.8 | 20.5 | 20.8 |
| | 4H | 19.5 | 20.1 | 19.8 | 20.4 | 20.7 | 19.5 | 20.1 | 19.8 | 20.4 | 20.7 |
| | 6H | 19.4 | 20.0 | 19.7 | 20.3 | 20.6 | 19.4 | 20.0 | 19.8 | 20.3 | 20.6 |
| | 8H | 19.4 | 19.9 | 19.7 | 20.3 | 20.6 | 19.4 | 19.9 | 19.7 | 20.3 | 20.6 |
| | 12H | 19.3 | 19.9 | 19.7 | 20.2 | 20.6 | 19.3 | 19.9 | 19.7 | 20.2 | 20.6 |
| 4H | 2H | 19.5 | 20.1 | 19.8 | 20.4 | 20.7 | 19.5 | 20.1 | 19.8 | 20.4 | 20.7 |
| | 3H | 19.4 | 19.9 | 19.8 | 20.3 | 20.6 | 19.4 | 19.9 | 19.8 | 20.3 | 20.6 |
| | 4H | 19.3 | 19.8 | 19.7 | 20.2 | 20.6 | 19.3 | 19.8 | 19.7 | 20.2 | 20.6 |
| | 6H | 19.3 | 19.7 | 19.7 | 20.1 | 20.5 | 19.3 | 19.7 | 19.7 | 20.1 | 20.5 |
| | 8H | 19.2 | 19.6 | 19.7 | 20.0 | 20.4 | 19.2 | 19.6 | 19.7 | 20.0 | 20.4 |
| | 12H | 19.2 | 19.5 | 19.6 | 19.9 | 20.4 | 19.2 | 19.5 | 19.6 | 19.9 | 20.4 |
| 8H | 4H | 19.2 | 19.6 | 19.7 | 20.0 | 20.4 | 19.2 | 19.6 | 19.7 | 20.0 | 20.4 |
| | 6H | 19.1 | 19.4 | 19.6 | 19.9 | 20.4 | 19.1 | 19.4 | 19.6 | 19.9 | 20.4 |
| | 8H | 19.1 | 19.4 | 19.6 | 19.8 | 20.3 | 19.1 | 19.4 | 19.6 | 19.8 | 20.3 |
| | 12H | 19.0 | 19.3 | 19.5 | 19.8 | 20.3 | 19.0 | 19.3 | 19.5 | 19.8 | 20.3 |
| 12H | 4H | 19.2 | 19.5 | 19.6 | 19.9 | 20.4 | 19.2 | 19.5 | 19.6 | 19.9 | 20.4 |
| | 6H | 19.1 | 19.4 | 19.6 | 19.8 | 20.3 | 19.1 | 19.4 | 19.6 | 19.8 | 20.3 |
| | 8H | 19.0 | 19.3 | 19.5 | 19.8 | 20.3 | 19.0 | 19.3 | 19.5 | 19.8 | 20.3 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | | 1.8 | / | -5.0 | | | 1.8 | / | -5.0 | |
| | 1.5H | | 3.6 | / | -7.8 | | | 3.6 | / | -7.8 | |
| | 2.0H | | 5.5 | / | -9.8 | | | 5.5 | / | -9.8 | |