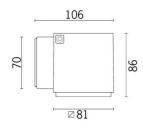
Last information update: May 2018





Outdoor wall-mounted luminaire - Neutral white LED - with electronic ballast Vin=100-240V ac - Flood optic

Product code

BU38

Technical description

Direct light outdoor floodlight, designed to use neutral white LED lamps, with flood optic. For wall-mounting with the special base. The luminaire consists of an optical assembly, upper cap and base for fixing to the wall. The optical assembly, upper cap and base are made of die-cast aluminium alloy coated with liquid acrylic paint (grey finish) or textured liquid (white finish) with a high level of resistance to weather and UV rays. Transparent tempered sodium - calcium safety glass with customised grey serigraphy, 4 mm thick, joined to the optical assembly with silicone. Adjustable fixing bracket made of painted aluminium; with a double nickel-plated brass PG11 cable gland, suitable for power cables ø 6.5-11 mm. For electrical connection the product has a plastic box with three 2-pin quick-coupling terminals for cables with max. cross-section 4 mm². Electronic circuit with neutral white LED, optics with lens made of thermoplastic material (methacrylate) and a black polycarbonate multi-groove ring for visual comfort. Equipped with electronic ballast Vin=100-240V ac 50/60Hz. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

Installation

For wall-mounting with the special aluminium base. Secure using screw anchors for concrete, cement and solid brick. Product can be installed with the light beam in any direction (up, down, right, left, slanting, etc.).

Dimension (mm)

81x81x86

Colour

White (01) | Grey (15)

Weight (Kg)

0.88

Mounting

wall arm|wall surface

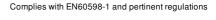
Wiring

Equipped with electronic ballast Vin=100-240V ac 50/60Hz. Polyamide PG11 double cable gland for pass-through wiring, suitable for power cables ø 6.5-11 mm.

Notes

Product complete with LED lamp.

















Product configuration: BU38

Product characteristics

Total lighting output [Lm]: 217 Total power [W]: 6.4

Luminous efficacy [Lm/W]: 33.9

Life Time: 100,000h - 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: 66,000h - L80 - B10 (Ta 40°C)

Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 53

Lamp code: LED ZVEI Code: LED Nominal power [W]: 4.7 Nominal luminous [Lm]: 410 Lamp maximum intensity [cd]: / Beam angle [°]: 84°

Number of lamps for optical assembly: 1

Socket: /

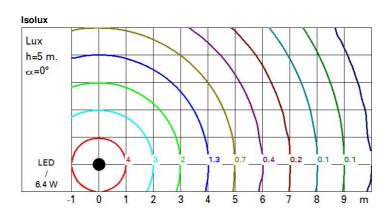
Ballast losses [W]: 1.7 Colour temperature [K]: 4000

CRI: 80

Wavelength [Nm]: / MacAdam Step: 3

Polar

| Imax=115 cd | Lux | | | |
|-------------|-----|-----|----|------|
| 90° | h | d | Em | Emax |
| | 1 | 1.8 | 78 | 115 |
| | 2 | 3.6 | 20 | 29 |
| 125 | 3 | 5.4 | 9 | 13 |
| α=84° | 4 | 7.2 | 5 | 7 |



UGR diagram

| 2H 3H 4H 6H 8H 112H 2H 3H 4H | 0.70 0.50 0.20 20.4 20.8 20.9 21.0 21.0 21.0 | 0.70 0.30 0.20 21.4 21.7 21.8 21.8 21.8 21.7 | 0.50 0.50 0.20 viewed crosswis 20.7 21.2 21.3 21.4 21.4 21.4 21.0 21.6 | | 0.30 0.30 0.20 21.9 22.3 22.4 22.4 22.5 22.4 | 0.70 0.50 0.20 20.4 20.6 20.6 20.6 20.6 20.5 | 21.4 21.5 21.5 21.4 21.3 21.2 | 0.50 0.50 0.20 viewed endwise 20.7 20.9 21.0 20.9 20.9 | 0.50 0.30 0.20 21.6 21.8 21.8 21.7 21.6 21.6 | 0.30 0.30 0.20 21.9 22.1 22.0 21.9 |
|--|--|--|--|--|---|---|--|--|--|--|
| 2H 3H 4H 6H 8H 12H 2H 3H | 20.4 20.8 20.9 21.0 21.0 20.6 21.2 | 21.4 21.7 21.8 21.8 21.8 21.7 | 0.50 0.20 viewed crosswis 20.7 21.2 21.3 21.4 21.4 21.4 | 0.30 0.20 e 21.6 22.0 22.1 22.1 22.1 22.1 | 21.9 22.3 22.4 22.5 22.4 | 20.4 20.6 20.6 20.6 20.6 20.6 20.5 | 21.4 21.5 21.5 21.4 21.3 21.2 | 0.50 0.20 viewed endwise 20.7 20.9 21.0 20.9 20.9 | 0.30 0.20 21.6 21.8 21.8 21.7 21.6 | 21.9 22.1 22.1 22.0 22.0 |
| 2H 3H 4H 6H 8H 12H | 20.4 20.8 20.9 21.0 21.0 21.0 | 21.4 21.7 21.8 21.8 21.8 21.7 | 0.20 viewed crosswis 20.7 21.2 21.3 21.4 21.4 21.4 | 0.20 e 21.6 22.0 22.1 22.1 22.1 22.1 | 21.9 22.3 22.4 22.4 22.5 22.4 | 20.4 20.6 20.6 20.6 20.6 20.5 | 21.4 21.5 21.5 21.4 21.3 21.2 | 0.20 viewed endwise 20.7 20.9 21.0 20.9 20.9 | 21.6 21.8 21.8 21.7 21.6 | 21.9 22.7 22.7 22.0 22.0 |
| 2H 3H 4H 6H 8H 12H | 20.4 20.8 20.9 21.0 21.0 21.0 20.6 21.2 | 21.4 21.7 21.8 21.8 21.8 21.7 | 20.7 21.2 21.3 21.4 21.4 21.4 21.0 | 21.6 22.0 22.1 22.1 22.1 22.1 | 21.9 22.3 22.4 22.4 22.5 22.4 | 20.4 20.6 20.6 20.6 20.6 20.5 | 21.4 21.5 21.5 21.4 21.3 21.2 | 20.7 20.9 21.0 21.0 20.9 | 21.6 21.8 21.8 21.7 21.6 | 21.9 22.7 22.0 22.0 22.0 |
| y 2H 3H 4H 6H 8H 12H 2H 3H | 20.8 20.9 21.0 21.0 21.0 20.6 21.2 | 21.4 21.7 21.8 21.8 21.8 21.7 | 20.7 21.2 21.3 21.4 21.4 21.4 | 21.6 22.0 22.1 22.1 22.1 22.1 | 22.3 22.4 22.4 22.5 22.4 | 20.6 20.6 20.6 20.6 20.6 20.5 | 21.4 21.5 21.5 21.4 21.3 21.2 | 20.7 20.9 21.0 21.0 20.9 20.9 | 21.6 21.8 21.8 21.7 21.6 | 22. 22. 22.0 22.0 |
| 2H 3H 4H 6H 8H 12H 2H 3H | 20.8 20.9 21.0 21.0 21.0 20.6 21.2 | 21.4 21.7 21.8 21.8 21.8 21.7 | 20.7 21.2 21.3 21.4 21.4 21.4 | 21.6 22.0 22.1 22.1 22.1 22.1 | 22.3 22.4 22.4 22.5 22.4 | 20.6 20.6 20.6 20.6 20.6 20.5 | 21.4 21.5 21.5 21.4 21.3 21.2 | 20.7 20.9 21.0 21.0 20.9 20.9 | 21.6 21.8 21.8 21.7 21.6 | 22. 22. 22.0 22.0 |
| 3H 4H 6H 8H 12H 2H 3H | 20.8 20.9 21.0 21.0 21.0 20.6 21.2 | 21.7 21.8 21.8 21.8 21.7 21.7 | 21.2 21.3 21.4 21.4 21.4 21.0 | 22.0 22.1 22.1 22.1 22.1 | 22.3 22.4 22.4 22.5 22.4 | 20.6 20.6 20.6 20.6 20.6 20.5 | 21.5 21.5 21.4 21.3 21.2 | 20.9 21.0 21.0 20.9 20.9 | 21.8 21.8 21.7 21.6 | 22. 22. 22.0 22.0 |
| 4H 6H 8H 12H 2H 3H | 20.9 21.0 21.0 21.0 20.6 21.2 | 21.8 21.8 21.8 21.7 21.5 | 21.3 21.4 21.4 21.4 21.0 | 22.1 22.1 22.1 22.1 | 22.4 22.4 22.5 22.4 | 20.6 20.6 20.6 20.5 | 21.5 21.4 21.3 21.2 | 21.0 21.0 20.9 20.9 | 21.8 21.7 21.6 | 22.0 22.0 22.0 |
| 6H 8H 12H 2H 3H | 21.0 21.0 21.0 20.6 21.2 | 21.8 21.8 21.7 21.5 | 21.4 21.4 21.4 21.0 | 22.1 22.1 22.1 | 22.4 22.5 22.4 | 20.6 20.6 20.5 | 21.4 21.3 21.2 | 21.0 20.9 20.9 | 21.7 21.6 | 22.0 |
| 2H 3H | 21.0 21.0 20.6 21.2 | 21.8 21.7 21.5 | 21.4 21.4 21.0 | 22.1 22.1 | 22.5 22.4 | 20.6 20.5 | 21.3 21.2 | 20.9 20.9 | 21.6 | 22.0 |
| 12H 2H 3H | 21.0 20.6 21.2 | 21.7 | 21.4 | 22.1 | 22.4 | 20.5 | 21.2 | 20.9 | | |
| 2H 3H | 20.6 21.2 | 21.5 | 21.0 | 2007.00 | 200000 | 00000000 | 0.000 | 5675030 | 21.6 | 21.9 |
| ЗН | 21.2 | | | 21.8 | 22.1 | 20.0 | 210 | 24.2 | | |
| | 200 | 21.9 | 216 | | | 20.9 | 21.8 | 21.3 | 22.1 | 22. |
| 4H | 04.0 | | | 22.2 | 22.6 | 21.3 | 22.0 | 21.7 | 22.3 | 22. |
| 711 | 21.3 | 22.0 | 21.8 | 22.3 | 22.7 | 21.3 | 22.0 | 21.8 | 22.3 | 22. |
| 6H | 21.5 | 22.0 | 21.9 | 22.4 | 22.9 | 21.4 | 21.9 | 21.8 | 22.3 | 22.8 |
| HS | 21.5 | 22.0 | 22.0 | 22.4 | 22.9 | 21.4 | 21.9 | 21.8 | 22.3 | 22. |
| 12H | 21.5 | 22.0 | 22.0 | 22.4 | 22.9 | 21.3 | 21.8 | 21.8 | 22.2 | 22. |
| 4H | 21.4 | 21.9 | 21.8 | 22.3 | 22.7 | 21.5 | 22.0 | 22.0 | 22.4 | 22.9 |
| 6Н | 21.6 | 22.0 | 22.0 | 22.4 | 22.9 | 21.6 | 22.0 | 22.1 | 22.5 | 22.9 |
| H8 | 21.6 | 22.0 | 22.1 | 22.5 | 23.0 | 21.6 | 22.0 | 22.1 | 22.5 | 23.0 |
| 12H | 21.7 | 22.0 | 22.2 | 22.5 | 23.0 | 21.6 | 21.9 | 22.1 | 22.4 | 23.0 |
| 4H | 21.3 | 21.8 | 21.8 | 22.2 | 22.7 | 21.5 | 22.0 | 22.0 | 22.4 | 22. |
| бН | 21.6 | 21.9 | 22.0 | 22.4 | 22.9 | 21.6 | 22.0 | 22.1 | 22.5 | 23. |
| H8 | 21.6 | 21.9 | 22.1 | 22.4 | 23.0 | 21.7 | 22.0 | 22.2 | 22.5 | 23.0 |
| ns wi | th the ob | oserverp | noitieo | at spacin | ıg: | | | | | |
| H0.1 | | 0 | .4 / -0 | .6 | | | | | | |
| 1.5H | | | | | | | | | | |
| 8 | BH BH IS WI | 21.6 21.6 21.6 21.6 35 with the ol 0H 5H | 3H 21.6 21.9 3H 21.6 21.9 Is with the observer p 0H 0 5H 0 | 3H 21.6 21.9 22.0 3H 21.6 21.9 22.1 as with the observer position of the control of the contro | 3H 21.6 21.9 22.0 22.4 3H 21.6 21.9 22.1 22.4 Is with the observer position at spacin 0H 0.4 / -0.6 5H 0.9 / -1.7 | 3H 21.6 21.9 22.0 22.4 22.9 3H 21.6 21.9 22.1 22.4 23.0 By with the observer position at spacing: 3H 0.4 / -0.6 5H 0.9 / -1.7 | 2H 21.6 21.9 22.0 22.4 22.9 21.6 21.6 21.9 22.1 22.4 23.0 21.7 21.6 21.9 22.1 22.4 23.0 21.7 21.7 21.6 21.6 21.9 21.7 21.7 21.7 21.7 21.7 21.7 21.7 21.7 | 3H 21.6 21.9 22.0 22.4 22.9 21.6 22.0 3H 21.6 21.9 22.1 22.4 23.0 21.7 22.0 21.0 21.0 21.0 21.0 21.0 21.0 21.0 | 2H 21.6 21.9 22.0 22.4 22.9 21.6 22.0 22.1 21.6 21.9 22.0 22.2 21.7 22.0 22.2 22.0 22. | 2H 21.6 21.9 22.0 22.4 22.9 21.6 22.0 22.1 22.5 21.6 21.6 22.0 22.1 22.5 21.6 21.6 21.9 22.1 22.4 23.0 21.7 22.0 22.2 22.5 23.0 21.7 22.0 22.2 22.5 23.0 21.7 22.0 22.2 22.5 23.0 21.7 22.0 22.2 22.5 23.0 21.7 22.0 22.2 22.5 23.0 21.7 22.0 22.2 22.5 23.0 21.7 22.0 22.2 22.5 23.0 21.7 22.0 22.2 22.5 23.0 21.7 22.0 22.2 22.5 23.0 21.7 22.0 22.2 22.5 23.0 21.7 22.0 22.1 22.5 23.0 21.7 22.0 22.0 22.1 22.5 23.0 23.0 23.0 23.0 23.0 23.0 23.0 23.0 |