



## Mini 300 LED gen3, Under-canopy light, 90 W, 13440 lm, 5700 K, CRI70, Internal (no external connection), Petrol asymmetric medium, IP66

Under-canopy light, Aluminum die cast, White, Power supply unit (On/Off), 13440 lm, 90 W, 149 lm/W, 5700 K, (0.380, 0.380) SDCM <5, CRI70, Petrol asymmetric medium, IP66 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class I, Standard surge protection level, Cable without plug 3-pole, Push-in connector 5-pole

## General Information

|                          |                              |
|--------------------------|------------------------------|
| Lamp family code         | LED159 [LED module 15900 lm] |
| Light source replaceable | Yes                          |
| Number of gear units     | 1 unit                       |
| Driver included          | Yes                          |
| Light source engine type | LED                          |
| Service tag              | Yes                          |
| Lighting Technology      | LED                          |
| Value ladder             | Specification                |
| Warranty period          | 5 years                      |

## Light Technical

|                                    |                          |
|------------------------------------|--------------------------|
| Upward light output ratio          | 0                        |
| Luminous Flux                      | 13,440 lm                |
| Correlated Color Temperature (Nom) | 5700 K                   |
| Luminous Efficacy (rated) (Nom)    | 149 lm/W                 |
| Color rendering index (CRI)        | 70                       |
| Light source color                 | 757 cool white           |
| Luminaire light beam spread        | 113°                     |
| Optic type outdoor                 | Petrol asymmetric medium |
| Effective projected area           | 0.0584 m <sup>2</sup>    |

## Operating and Electrical

|  |                                 |
|--|---------------------------------|
| Input Voltage                            | 220 to 240 V                    |
| Line Frequency                           | 50 to 60 Hz                     |
| Inrush current                           | 53 A                            |
| Inrush time                              | 0.3 ms                          |
| Power Consumption                        | 90 W                            |
| Power Factor (Fraction)                  | 0.99                            |
| Connection                               | Push-in connector 5-pole        |
| Cable                                    | Cable without plug 3-pole       |
| Number of products on MCB of 16 A type B | 8                               |
| Protection class IEC                     | Safety class I                  |
| Surge Protection (Common/Differential)   | Standard surge protection level |
| Total harmonic distortion                | 7 %                             |

## Controls and Dimming

|                               |                                   |
|-------------------------------|-----------------------------------|
| Dimmable                      | No                                |
| Driver/power unit/transformer | Power supply unit (On/Off)        |
| Control interface             | Internal (no external connection) |
| Constant light output         | No                                |
| Maximum dim level             | 10%                               |

## Mechanical and Housing

|                                     |  |
|-------------------------------------|--|
| Housing Material                    | Aluminum die cast                            |
| Reflector material                  | -  |
| Optic material                      | Acrylate                                     |
| Optical cover material              | Polycarbonate                                |
| Fixation material                   | -  |
| Housing Color                       | White  |
| Mounting device                     | -  |
| Optical cover shape                 | Flat   |
| Optical cover finish                | Clear  |
| Overall length                      | 335 mm                                       |
| Overall width                       | 335 mm                                       |
| Overall height                      | 92 mm  |
| Dimensions (Height x Width x Depth) | 92 x 335 x 335 mm                            |
| Ingress protection code             | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code        | IK08 [5 J vandal-protected]                  |
| Standard tilt angle posttop         | -  |
| Standard tilt angle side entry      | -  |
| Optical cover type                  | Polycarbonate bowl/cover flat                |
| Net Weight (Piece)                  | 3.630 kg                                     |

## Approval and Application

|                                    |  |
|------------------------------------|--|
| Flammability mark                  | For mounting on normally flammable surfaces  |
| CE mark                            | Yes  |
| ENEC mark                          | ENEC mark  |
| EU RoHS compliant                  | Yes  |
| Performance ambient temperature Tq | 25 °C  |
| Remarks                            | * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Ambient temperature range          | -40 to +50 °C  |

## Initial Performance (IEC Compliant)

|  |                        |
|--|------------------------|
| Luminous flux tolerance                                | +/-7%                  |
| Initial chromaticity                                   | (0.380, 0.380) SDCM <5 |
| Power consumption tolerance                            | +/-10%                 |
| Init. Color Rendering Index Tolerance                  | +/-2                   |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤5                 |

## Over Time Performance (IEC Compliant)

|  |      |
|--|------|
| Control gear failure rate at median useful life 35000 h              | 35 % |
| Control gear failure rate at median useful life 50000 h              | 5 %  |
| Control gear failure rate at median useful life 75000 h              | 75 % |
| Control gear failure rate at median useful life 100000 h             | 10 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h  | L99  |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h  | L98  |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h  | L97  |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L96  |

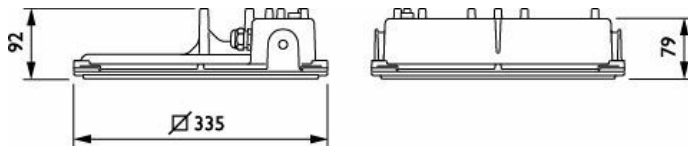
## Sustainability Data

|  |  |
|--|--|
| Sustainability rating                                | Signify Circle   |
| Repair class   | Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.       |
| Embedded carbon (A1-A3)                              | 74.5 kg CO <sub>2</sub> e  |
| Product non-virgin material ratio                    | 16.6 %   |
| Recyclable content ratio of the finished product     | 42.2 %   |
| GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit   | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kWh)                         |
| GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kWh) |
| Non-virgin material ratio of the packaging           | Cardboard > 80% recycled   |
| Packaging Recyclable content ratio                   | Cardboard recycling rate > 80%   |
| Packaging Material                                   | Cardboard  |

## Product Data

|                                 |                            |
|---------------------------------|----------------------------|
| Order product name              | BBP333 LED159/757 I PAM    |
| Full product name               | BBP333 LED159/757 I PAM    |
| Full product code               | 871869981937800            |
| Order code                      | 81937800                   |
| Material Nr. (12NC)             | 910925866255               |
| Numerator - Quantity Per Pack   | 1                          |
| EAN/UPC - Product/Case          | 8718699819378              |
| Numerator - Packs per outer box | 1                          |
| EAN/UPC - Case                  | 8718699819378              |
| Product family code             | BBP333 [MINI 300 LED GEN3] |

## Dimensional drawing



## Polar normal diagrams

