



## Mini 300 LED gen3, Under-canopy light, 90 W, 14240 lm, 5700 K, CRI70, Internal (no external connection), Petrol rotational symmetric medium, IP66

Under-canopy light, Aluminum die cast, White, Power supply unit (On/Off), 14240 lm, 90 W, 158 lm/W, 5700 K, (0.341, 0.329) SDCM <5, CRI70, Petrol rotational symmetric 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	14,240 lm
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	158 lm/W
Color rendering index (CRI)	70
Light source color	757 cool white
Luminaire light beam spread	113°
Optic type outdoor	Petrol rotational symmetric 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	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Ambient temperature range	-40 to +50 °C

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.341, 0.329) 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

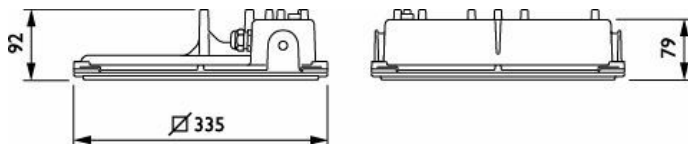
Sustainability rating	Signify Circle
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	74.5 kg CO <sub>2</sub> e
Product non-virgin material 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 PRM
Full product name	BBP333 LED159/757 I PRM
Full product code	871869699746800
Order code	910925865268

Material Nr. (12NC)	910925865268
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696997468
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696997468
Product family code	BBP333 [MINI 300 LED GEN3]

## Dimensional drawing



## Polar normal diagrams

