Signify

BBP333 LED159/740 I PRM

910925865274

Mini 300 LED gen3, Under-canopy light, 90 W, 14240 lm, 4000 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, 4000 K, (0.380, 0.380) 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)	4000 K
Luminous Efficacy (rated) (Nom)	158 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Luminaire light beam spread	113°
Optic type outdoor	Petrol rotational symmetric medium
Effective projected area	0.0584 m²

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	(0.380, 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

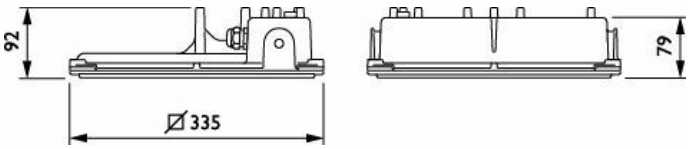
Sustainability rating	Signify Circle
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	74.5 kg CO_2e
Product non-virgin material ratio	16.6 %
Recyclable content ratio of the finished product	42.2 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) 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 CO2 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

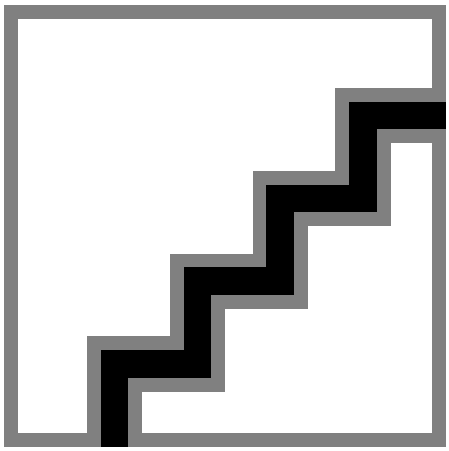
Order product name	BBP333 LED159/740 I PRM
Full product name	BBP333 LED159/740 I PRM
Full product code	871869699752900
Order code	99752900

Material Nr. (12NC)	910925865274
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696997529
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696997529
Product family code	BBP333 [MINI 300 LED GEN3]

Dimensional drawing



Polar normal diagrams



Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	Mounting-Instruction-Mini300-BBP333-BCP333-INI.pdf	Download

Photometry and lighting design	Document Name	Download
LDT File	LDT File - BBP333I - 910925865274.ldt	Download
ROLF File	ROLF File - BBP333I - 910925865274.rolfz	Download
ULD File	ULD File - BBP333I - 910925865274.uld	Download

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