

Mini 300 LED gen3

BBP333 LED159/740 I PRM

Mini 300 LED gen3, Under-canopy light, 90 W, 14240 lm, 4000 K, CRI70, Internal (no external connection), Petrol rotational symmetric medium, IP66

Mini 300 LED gen3 luminaires, perfect product design and latest LED technology combination for highly efficient light outputs can turn your petrol station into a branded landmark and help visitors to approach safely in visual comfort. Mini 300 LED gen3, the state-of-the-art LED luminaires with light on demand intelligent motion sensing control system takes energy saving to new levels with dimming, but at the same time, ensuring sufficient lighting for orientation and safety. The light scenarios can be tailored to your preference at the first installation or during the lifespan of the products. The optional Master-Slave combination with a built-in presence and light sensor there's no need for an external sensor and one Master Mini 300 LED gen3 can control up to 6 basic luminaires. Not only will this have a positive impact on your investment, it can also lead to additional energy saving. Mini 300 LED gen3 luminaire is so light that it can be installed effortlessly by one person. Luminaire settings can even be changed from ground level using a smart phone or tablet as a remote control, eliminating the need to work at height. With the free Mini 300 LED App, even the status of the luminaire can be read while standing on the floor. The Mini 300 LED gen3 luminaires in recessed mounted, surface mounted and floodlight versions, which are suitable for undercanopy lighting, is a breakthrough, retrofit solution reduces installation costs.

Product data

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

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Value ladder	Specification
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Warranty period	5 years
Sustainability rating	Signify Circle

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

Sustainability Data

Product non-virgin material ratio	16.6 %
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)

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. * 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 %

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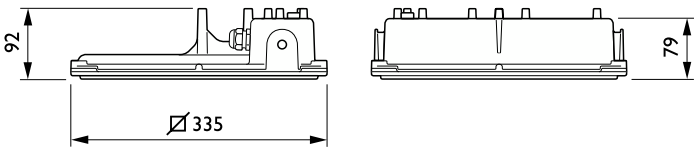
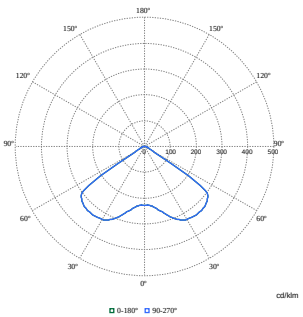
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 75000 h	75 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h	L99
Lumen maintenance (EN-IEC 62722-2-1) at median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

Product Data	
Order product name	BBP333 LED159/740 I PRM
Full product name	BBP333 LED159/740 I PRM
Full product code	871869699752900
Order code	910925865274
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



Photometric data



Polar Normal (separate) - BBP333I - 910925865274

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2026, March 25 - data subject to change