Mini 300 LED gen2

BBP400 ECO99-3S/740 II PRM WH D9 SNS SMS

Mini300 LED gen2, LED EconomyLine 9900 lm, Petrol rotational symmetric medium

With operating margins under pressure, companies are looking for ways to save energy. LED products like our Mini 300 LED gen2 luminaires are a perfect solution. Designed for petrol-station canopies and low-bay applications, these ultra-efficient retrofit fixtures offer outstanding light quality, effective thermal management, and a very long lifespan. Reduced maintenance, replacement and energy cost means a short payback period, making Mini 300 LED gen2 a shining example of how businesses can save money by opting for green products. A movement detector combined with a daylight sensor enables further energy savings. Our Mini 300 LED gen2 app gives users control in ways that are simply not possible with other luminaires – for instance, reading status and managing lighting from the floor by laptop or Smartphone via Bluetooth.

Product data

General Information

Lamp family code	ECO99 [LED EconomyLine 9900 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	–
Light source engine type	LED
Product family code	BBP400 [Mini300 LED gen2]
Lighting Technology	LED
Embedded control	–
CE mark	Yes
Warranty period	5 years

Flammability mark	–
ENEC mark	ENEC mark
Glow-wire test	Temperature 960 ℃, duration 5 s
EU RoHS compliant	No

Light Technical

Upward light output ratio	0
Luminous Flux	10,400 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	122 lm/W

Mini 300 LED gen2

Color rendering index (CRI)	≥70
Number of light sources	40
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	114°
Optic type outdoor	Petrol rotational symmetric medium

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	85 W
Power Factor (Fraction)	0.97
Connection	Screw connector
Cable	Cable 2.0 m with screw connector
Number of products on MCB of 16 A type B	8

Temperature

Ambient temperature range	−30 to +40 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	–
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Steel
Housing Color	White
Mounting device	Suspension set simple, standard
Optical cover shape	Convex lens
Optical cover finish	Clear
Overall length	413 mm

Overall width	413 mm
Overall height	95 mm
Effective projected area	0 m²
Dimensions (Height x Width x Depth)	95 x 413 x 413 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Philips standard surge protection level
Protection class IEC	Safety class II

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

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.1 %

Application Conditions

Maximum dim level	0% (digital)

Product Data

Order product name	BBP400 ECO99-3S/740 II PRM WH D9 SNS SMS
Full product name	BBP400 ECO99-3S/740 II PRM WH D9 SNS SMS
Full product code	871829187779000
Order code	87779000
Material Nr. (12NC)	910930205317
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718291877790
Numerator – Packs per outer box	1
EAN/UPC – Case	8718291877790

Dimensional drawing

Mini 300 LED gen2