PHILIPS Lighting



Mini 300 LED gen2

BBP400 ECO151-3S/757 I PAM WH MDU MWS PH

Mini300 LED gen2, LED EconomyLine 15100 lm, Petrol asymmetric medium, Movement detection unit, Photocell included

The Mini 300 LED gen2 luminaires provides highly efficient, controlable and manageable lighting solutions for petrols station canopies and low bay applications. These ultra-efficient retrofit LED fixtures are the latest development of the Philips Mini 300 range offering outstanding light quality, effective thermal management, and long lifespan. Reduced maintenance, replacement and energy costs also mean a short payback period, making Mini 300 LED gen2 a shining example of how businesses can save money without compromising on light quality by opting for energy efficient LED products. The integrated movement detector, daylight sensor and scheduler options enabls further energy savings. Our Mini 300 LED gen2 app gives users control in ways that are simply not possible with other luminaires – reading status, managing and controlling lighting from ground level using a laptop or Smartphone via Bluetooth – removing the need for access cranes or ladders.

Product data

General Information	
Lamp family code	ECO151 [LED EconomyLine 15100 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Photocell	Photocell included
Light source engine type	LED
Product family code	BBP400 [Mini300 LED gen2]
Lighting Technology	LED
Embedded control	Movement detection unit

CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 960 °C, duration 5 s
EU RoHS compliant	No
Light Technical	
Upwards light output ratio	0
Luminous Flux	15,800 lm

Mini 300 LED gen2

Operating and Electrical

Input Voltage

Line Frequency

Inrush current

Power Consumption

Power Factor (Fraction)

Number of products on MCB of 16 A type B 8

Inrush time

Connection

Mounting device

Optical cover/lens shape

Cable

Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	5700 K
Luminous efficacy (rated) (nom.)	124 lm/W
Colour rendering index (CRI)	≥70
Light source colour	757 cool white
Optical cover type	Flat glass
Luminaire light beam spread	104° x 98°
Optic type outdoor	Petrol asymmetric medium

220 to 240 V

50 to 60 Hz

53 A

0.3 ms

108 W

0.98

Screw connection block 5-pole

Cable 2.0 m with screw connector

Optical cover/lens 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 I

Initial Performance	(IEC	Compliant)	
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Luminous flux tolerance	+/-7%
Initial chromaticity	(0.341, 0.329) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

0.1 %

Over Time Performance	(IEC Compliant)
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Driver failure rate at 5,000 hours

Application Conditions	
Maximum dim level	10%

Product Data

Flouder Data	
Order product name	BBP400 ECO151-3S/757 I PAM WH MDU
	MWS PH
Full product name	BBP400 ECO151-3S/757 I PAM WH MDU
	MWS PH
Full EOC	871829189058400
Order code	89058400
Material no. (12 NC)	910930205373
SAP numerator - quantity per pack	1
EAN/UPC — Product/Case	8718291890584
Numerator – packs per outer box	1
EAN/UPC - Case	8718291890584

Temperature	
Ambient temperature range	-30 to +40 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating external
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing material	Aluminium
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Steel
Housing Colour	White

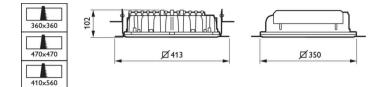
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Convex lens

Datasheet, 2023, April 29

Mini 300 LED gen2

Dimensional drawing





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