

Mini 300 LED gen2

BBP400 ECO121-3S/757 I PRW WH D9 SNS CFR

Mini300 LED gen2, LED EconomyLine 12100 lm, Petrol rotational symmetric wide

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	ECO121 [LED EconomyLine 12100 lm]
Light source replaceable	Yes
Number of gear units	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 °C, duration 5 s
EU RoHS compliant	No

Light Technical	
Upwards light output ratio	0
Luminous Flux	12,700 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°

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Correlated Colour Temperature	5700 K
Luminous efficacy (rated) (nom.)	123 lm/W
Colour rendering index (CRI)	≥70
Light source colour	757 cool white
Optical cover type	Flat glass
Luminaire light beam spread	135°
Optic type outdoor	Petrol rotational symmetric wide

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	88 W
Power Factor (Fraction)	0.97
Connection	Screw connection block 5-pole
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	Aluminium
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Steel
Housing Colour	White
Mounting device	-
Optical cover/lens shape	Convex lens
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)

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

Over Time Performance (IEC Compliant)

Driver failure rate at 5,000 hours	0.1 %

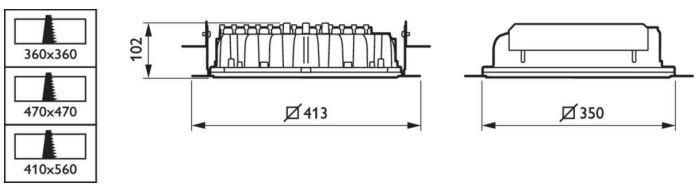
Application Conditions

Maximum dim level	0% (digital)

Product Data

Order product name	BBP400 ECO121-3S/757 I PRW WH D9 SNS CFR
Full product name	BBP400 ECO121-3S/757 I PRW WH D9 SNS CFR
Full EOC	871829187846900
Order code	87846900
Material no. (12 NC)	910930205363
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718291878469
Numerator – packs per outer box	1
EAN/UPC - Case	8718291878469

Dimensional drawing



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2023, April 29 - data subject to change