



Mini 300 LED gen2

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

Mini300 LED gen2, LED EconomyLine 12100 lm, Petrol asymmetric medium

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 enables 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		Warranty period	
Lamp family code	ECO121 [LED EconomyLine 12100 lm]	Flammability mark	-
Light source replaceable	Yes	ENEC mark	ENEC mark
Number of gear units	Unit	Glow-wire test	Temperature 960 °C, duration 5 s
Driver included	Yes	EU RoHS compliant	No
Photocell	-	Light Technical	
Light source engine type	LED	Upwards light output ratio	0
Product family code	BBP400 [Mini300 LED gen2]	Luminous Flux	12,700 lm
Lighting Technology	LED	Standard tilt angle post-top	0°
Embedded control	-	Standard tilt angle side entry	0°
CE mark	Yes		

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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	104° x 98°
Optic type outdoor	Petrol asymmetric 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	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
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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 %
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Application Conditions

Maximum dim level	0% (digital)
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Product Data

Order product name	BBP400 ECO121-3S/757 I PAM WH D9 SNS CFR
Full product name	BBP400 ECO121-3S/757 I PAM WH D9 SNS CFR
Full EOC	871829187808700
Order code	87808700
Material no. (12 NC)	910930205335
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718291878087
Numerator – packs per outer box	1
EAN/UPC - Case	8718291878087

Dimensional drawing



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