



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 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	O°
Standard tilt angle side entry	O°

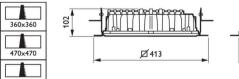
Datasheet, 2023, April 29 data subject to change

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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	e 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	Aluminium -
Reflector material Optic material	
	-
Optic material	- Acrylate
Optic material Optical cover/lens material	- Acrylate Glass
Optic material Optical cover/lens material Fixation material	- Acrylate Glass Steel
Optic material Optical cover/lens material Fixation material Housing Colour	- Acrylate Glass Steel
Optic material Optical cover/lens material Fixation material Housing Colour Mounting device	- Acrylate Glass Steel White

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)	
Maximum aim tevet	0% (digital)	
- Waxiiiuiii diiii tevet	0% (uigitat)	
Product Data	U/o (Uigitat)	
	BBP400 ECO121-3S/757 PAM WH D9 SNS	
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Dimensional drawing





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