PHILIPS Lighting



Mini 300 LED gen2

BBP400 ECO121-3S/757 I PRM WH MDU MWS PH

Mini300 LED gen2, LED EconomyLine 12100 lm, Petrol rotational symmetric medium, Movement detection unit, Photocell included

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	ECO121 [LED EconomyLine 12100 lm]
Light source replaceable	Yes
Number of gear units	1 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	
Upward light output ratio	0
Luminous Flux	12,700 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

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Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	123 lm/W
Color rendering index (CRI)	≥70
Number of light sources	48
Light source color	757 cool white
Optical cover type	Flat glass
Luminaire light beam spread	114°
Optic type outdoor	Petrol rotational symmetric medium

220 to 240 V

50 to 60 Hz

53 A

0.97

-30 to +40 °C

Screw connection block 5-pole

Cable 2.0 m with screw connector

0.3 ms 88 W

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

0.1 %

10%

Over Time Performance (IEC Compliant)

Application Conditions

Maximum dim level

Product Data

Troduct Butu	
Order product name	BBP400 ECO121-3S/757 I PRM WH MDU
	MWS PH
Full product name	BBP400 ECO121-3S/757 I PRM WH MDU
	MWS PH
Full product code	871829107655100
Order code	07655100
Material Nr. (12NC)	910930205272
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291076551
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291076551

Temperature

Ambient temperature range

Number of products on MCB of 16 A type B 8

Operating and Electrical

Input Voltage

Line Frequency

Inrush current

Power Consumption Power Factor (Fraction)

Inrush time

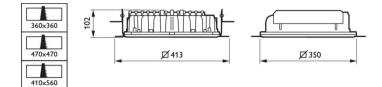
Connection

Cable

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	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Steel
Housing Color	White
Mounting device	-
Optical cover shape	Convex lens
Optical cover finish	Clear

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Dimensional drawing





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