PHILIPS Lighting



Mini 300 LED gen2

BBP400 EC0151-3S/757 I PRW WH MSP D9 SNS

Mini300 LED gen2, LED EconomyLine 15100 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	ECO151 [LED EconomyLine 15100 lm]
Light source replaceable	Yes
Number of gear units	1 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	
Upward light output ratio	0
Luminous Flux	15,800 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)	124 lm/W
Color rendering index (CRI)	≥70
Number of light sources	60
Light source color	757 cool white
Optical cover type	Flat glass
Luminaire light beam spread	135°
Optic type outdoor	Petrol rotational symmetric wide

220 to 240 V

50 to 60 Hz

53 A

0.3 ms

0.98

-30 to +40 °C

Screw connection block 5-pole

Cable 2.0 m with screw connector

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 %

0% (digital)

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h

Application Conditions

Maximum dim l	level
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Product Data

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SNS
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SNS
871829187825400
910930205347
910930205347
1
8718291878254
1
8718291878254

Temperature

Optical cover shape Optical cover finish

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

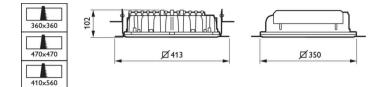
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Steel
Housing Color	White
Mounting device	-

Convex lens

Clear

Mini 300 LED gen2

Dimensional drawing





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