PHILIPS Lighting



Mini 300 LED gen2

BVS400 EC0142-3S/740 I PRW SI MSP

Mini300 LED gen2, LED EconomyLine 14200 lm, Petrol rotational symmetric wide

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	ECO142 [LED EconomyLine 14200 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	-
Light source engine type	LED
Product family code	BVS400 [Mini300 LED gen2]
Lighting Technology	LED
Glow-wire test	Temperature 960 °C, duration 5 s
Flammability mark	-
CE mark	Yes

ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	No
Embedded control	-
Light Technical	
Upward light output ratio	0
Luminous Flux	14,900 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	125 lm/W

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Color rendering index (CRI)	≥70
Number of light sources	56
Light source color	740 neutral 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	119 W
Power Factor (Fraction)	0.9
Connection	Screw connection block 3-pole
Cable	Cable 0.45 m with connector 3-pole
Number of products on MCB of 16 A type B 8	

-30 to +40 °C

Optical cover finish	Clear
Overall length	440 mm
Overall width	374 mm
Overall height	96 mm
Effective projected area	0 m²
Dimensions (Height x Width x Depth)	96 x 374 x 440 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	(0.380, 0.380) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

0.1%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h

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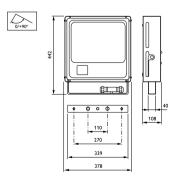
Controls and Dimming

Ambient temperature range

Temperature

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit regulating
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Steel
Housing Color	Silver
Mounting device	-
Optical cover shape	Convex lens

Dimensional drawing



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