



Mini 300 LED gen2

BCS400 ECO142-3S/740 I PRM SI

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

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]	Flammability mark	-
Light source replaceable	Yes	ENEC mark	ENEC mark
Number of gear units	1 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	Upward light output ratio	0
Product family code	BCS400 [Mini300 LED gen2]	Luminous Flux	14,900 lm
Lighting Technology	LED	Standard tilt angle posttop	0°
Embedded control	-	Standard tilt angle side entry	0°
CE mark	Yes	Correlated Color Temperature (Nom)	4000 K
Warranty period	5 years	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	114°
Optic type outdoor	Petrol rotational symmetric 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	119 W
Power Factor (Fraction)	0.9
Connection	Screw connection block 3-pole
Cable	-
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	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	Aluminum
Housing Color	Silver
Mounting device	-
Optical cover shape	Convex lens

Optical cover finish	Clear
Overall length	374 mm
Overall width	374 mm
Overall height	152 mm
Effective projected area	0 m²
Dimensions (Height x Width x Depth)	152 x 374 x 374 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

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.1 %
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Product Data

Order product name	BCS400 ECO142-3S/740 I PRM SI
Full product name	BCS400 ECO142-3S/740 I PRM SI
Full product code	871829189072000
Order code	89072000
Material Nr. (12NC)	910930205380
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291890720
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291890720

Dimensional drawing



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