PHILIPS Lighting



Mini 300 LED gen2

BCS400 ECO121-3S/757 I A WH MDU MWS PH

Mini300 LED gen2, LED EconomyLine 12100 lm, Asymmetrical, 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	BCS400 [Mini300 LED gen2]
Lighting Technology	LED
Embedded control	Movement detection unit
CE mark	Yes
Warranty period	5 years

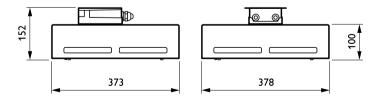
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 960 °C, duration 5 s
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	12,700 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	123 lm/W

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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	140° x 70°
Optic type outdoor	Asymmetrical
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	-
Number of products on MCB of 16 A t	уре В 8
Temperature	
Ambient temperature range	-30 to +40 °C
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	Aluminum
Housing Color	White
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	(0.341, 0.329) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Compl	iant)
Over Time Performance (IEC Compli Driver failure rate at 5000 h	0.1 %
Driver failure rate at 5000 h	
Driver failure rate at 5000 h Application Conditions Maximum dim level	0.1%
Driver failure rate at 5000 h Application Conditions Maximum dim level Product Data	0.1%
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Driver failure rate at 5000 h Application Conditions Maximum dim level Product Data Order product name	0.1 % 10% BCS400 EC0121-3S/757 I A WH MDU MWS PH
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Driver failure rate at 5000 h Application Conditions Maximum dim level Product Data Order product name Full product name	0.1 % 10% BCS400 EC0121-3S/757 I A WH MDU MWS PH BCS400 EC0121-3S/757 I A WH MDU MWS PH
Driver failure rate at 5000 h Application Conditions Maximum dim level Product Data Order product name Full product name Full product code	0.1 % 10% BCS400 EC0121-3S/757 I A WH MDU MWS PH BCS400 EC0121-3S/757 I A WH MDU MWS PH 871829187816200
Driver failure rate at 5000 h Application Conditions Maximum dim level Product Data Order product name Full product name Full product code Order code	0.1 % 10% BCS400 EC0121-3S/757 I A WH MDU MWS PH BCS400 EC0121-3S/757 I A WH MDU MWS PH 871829187816200 87816200
Driver failure rate at 5000 h Application Conditions Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	0.1 % 10% BCS400 EC0121-3S/757 I A WH MDU MWS PH BCS400 EC0121-3S/757 I A WH MDU MWS PH 871829187816200 87816200 910930205340
Driver failure rate at 5000 h Application Conditions Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	0.1 % 0.1 % 10% BCS400 EC0121-3S/757 I A WH MDU MWS PH BCS400 EC0121-3S/757 I A WH MDU MWS PH 871829187816200 87816200 910930205340 1

Dimensional drawing



Mini 300 LED gen2



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