PHILIPS Lighting



Mini 300 LED gen2

BCS400 GRN83-3S/757 I PRW WH MDU

Mini300 LED gen2, 48, LED GreenLine 8300 lm, LED, 57 W, Power supply unit regulating external, Petrol rotational symmetric wide, Flat glass, 135°, Movement detection unit

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	GRN83 [LED GreenLine 8300 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	-
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	8,700 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

Mini 300 LED gen2

Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	132 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	135°
Optic type outdoor	Petrol rotational symmetric wide

220 to 240 V

50 to 60 Hz

-30 to +40 °C

Screw connection block 3-pole

46 A 0.25 ms

57 W

0.97

_

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

0.1%

Driver failure rate at 5000 h

Numerator - Quantity Per Pack

Numerator - Packs per outer box

EAN/UPC - Product/Case

EAN/UPC - Case

Application Conditions	
Maximum dim level	10%
Product Data	
Order product name	BCS400 GRN83-3S/757 I PRW WH MDU
Full product name	BCS400 GRN83-3S/757 I PRW WH MDU
Full product code	871829106858700
Order code	910930205601
Material Nr. (12NC)	910930205601

1

1

8718291068587

8718291068587

Temperature

Ambient temperature range

Number of products on MCB of 16 A type B 11

Operating and Electrical

Input Voltage

Line Frequency

Inrush current

Power Consumption Power Factor (Fraction)

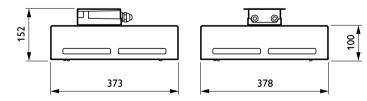
Inrush time

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	Aluminum
Housing Color	White
Mounting device	-
Optical cover shape	Convex lens

Dimensional drawing



Mini 300 LED gen2



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, September 4 - data subject to change