PHILIPS Lighting

Mini 300 LED gen2

BBP400 GRN83-3S/757 I PAM WH MDU CFRM-1

Mini300 LED gen2, 48, LED GreenLine 8300 lm, LED, 57 W, Power supply unit regulating external, Petrol asymmetric medium, Flat glass, 104° x 98°, 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	BBP400 [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°

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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	104° x 98°
Optic type outdoor	Petrol asymmetric medium

220 to 240 V

50 to 60 Hz

46 A

0.97

-30 to +40 °C

Screw connection block 3-pole

Cable 2.0 m with screw connector

0.25 ms 57 W

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 %

10%

Over Time Performance (IEC Compliant)

Application Conditions

	Maximum	dim	level	
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Product Data

Order product name BBP400 GRN83-3S/757 I PAM WH MDU CFRM-1 Full product name BBP400 GRN83-3S/757 I PAM WH MDU CFRM-1 Full product code 871829106798600 Order code 06798600 Order code 06798600 Material Nr. (12NC) 910930205540 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291067986 Numerator - Packs per outer box 1 EAN/UPC - Case 8718291067986	Flouuce Data	
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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

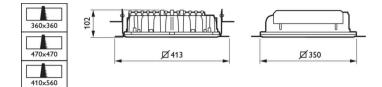
Connection

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	Steel
Housing Color	White
Mounting device	-
Optical cover shape	Convex lens
Optical cover finish	Clear

Mini 300 LED gen2

Dimensional drawing





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