



Mini 300 LED gen2

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

Mini300 LED gen2, 48, LED GreenLine 8300 lm, LED, 57 W,
Power supply unit regulating external, Asymmetrical, Flat glass,
140° x 70°, 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]	Warranty period	5 years
Light source replaceable	Yes	Flammability mark	-
Number of gear units	1 unit	ENEC mark	ENEC mark
Driver included	Yes	Glow-wire test	Temperature 960 °C, duration 5 s
Photocell	-	EU RoHS compliant	No
Light source engine type	LED	Light Technical	
Product family code	BBP400 [Mini300 LED gen2]	Upward light output ratio	0
Lighting Technology	LED	Luminous Flux	8,700 lm
Embedded control	Movement detection unit	Standard tilt angle posttop	0°
CE mark	Yes	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	140° x 70°
Optic type outdoor	Asymmetrical

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	57 W
Power Factor (Fraction)	0.97
Connection	Screw connection block 3-pole
Cable	Cable 2.0 m with screw connector
Number of products on MCB of 16 A type B 11	

Temperature

Ambient temperature range	-30 to +40 °C
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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

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

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.1 %
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Application Conditions

Maximum dim level	10%
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Product Data

Order product name	BBP400 GRN83-3S/757 I A WH MDU CFRM-1
Full product name	BBP400 GRN83-3S/757 I A WH MDU CFRM-1
Full product code	871829106802000
Order code	06802000
Material Nr. (12NC)	910930205544
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291068020
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291068020

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Dimensional drawing

