PHILIPS Lighting



Mini 300 LED gen2

BCS400 ECO121-3S/757 I PAM WH

Mini300 LED gen2, 48, LED EconomyLine 12100 lm, LED, 88 W, Power supply unit regulating, Petrol asymmetric medium, Flat glass, 104° x 98°

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	-
Light source engine type	LED
Product family code	BCS400 [Mini300 LED gen2]
Lighting Technology	LED
Embedded control	-
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	O°
Standard tilt angle side entry	O°

Mini 300 LED gen2

Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	123 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

Operating and Electrical

Temperature

Ambient temperature range

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 3-pole
Cable	-
Number of products on MCB of 16 A type B 8	

-30 to +40 °C

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,	
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

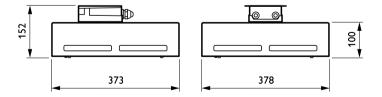
Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.1 %	

Controls and Dimming		Product Data
Dimmable	No	Order product name
Driver/power unit/transformer	Power supply unit regulating	Full product name
Constant light output	No	Full product code
		Order code
Mechanical and Housing		Material Nr. (12NC)
Housing Material	Aluminum	Numerator - Quanti
Reflector material	-	EAN/UPC - Product
Optic material	Acrylate	Numerator - Packs
Optical cover material	Glass	EAN/UPC - Case
Fixation material	Aluminum	
Housing Color	White	
Mounting device	-	

Product Data	
Order product name	BCS400 ECO121-3S/757 I PAM WH
Full product name	BCS400 ECO121-3S/757 I PAM WH
Full product code	871829106815000
Order code	06815000
Material Nr. (12NC)	910930205557
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291068150
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291068150

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, April 29 - data subject to change