



Mini 300 LED gen2

BBP400 ECO136-3S/757 I PAM WH MDU MWS CF

Mini300 LED gen2, LED EconomyLine 13600 lm, Petrol asymmetric medium, 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	ECO136 [LED EconomyLine 13600 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	14,300 lm
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	125 lm/W

Datasheet, 2023, April 29 data subject to change

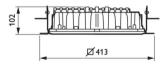
Mini 300 LED gen2

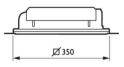
Color rendering index (CRI) \$70 Number of light sources 56 Light source color 757 cool white Optical cover type Flat glass Luminaire light beam spread 104" x 98" Optic type outdoor Petrol asymmetric medium Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 53 A Inrush current 53 A Inrush rume 0.3 ms Power Consumption 100 W Power Factor (Fraction) 0.98 Connection Screw connection block 5-pole Cable Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear Overall Length 413 mm		
Light source color Optical cover type Flat glass Luminaire light beam spread Optic type outdoor Petrol asymmetric medium 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 100 W Power Factor (Fraction) Operature Cable Cable Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Acrylate Optic material Optic material Optic material Steel Housing Color Myhite Mounting device Optical cover shape Optical cover finish Clear	Color rendering index (CRI)	≥70
Optical cover type Luminaire light beam spread Optic type outdoor Petrol asymmetric medium 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 100 W Power Factor (Fraction) Opsa Connection Screw connection block 5-pole Cable Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Optic acver material Steel Housing Color White Mounting device - Optical cover shape Optical cover finish Clear	Number of light sources	56
Luminaire light beam spread Optic type outdoor Petrol asymmetric medium 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 100 W Power Factor (Fraction) O.98 Connection Screw connection block 5-pole Cable Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Optic material Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover shape Contex (Screw connection block 5-pole Cable 2.0 m with screw connector No Acrylate Cable 2.0 m with screw connector Aluminum Cable 3.0 m and 40 °C Control step 4.0 °C Control step 5.0 °C Control step 6.0 °C Cont	Light source color	757 cool white
Optic type outdoor Petrol asymmetric medium 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 100 W Power Factor (Fraction) 0.98 Connection Screw connection block 5-pole Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover shape Optical cover finish Ciear	Optical cover type	Flat glass
Operating and Electrical Input Voltage	Luminaire light beam spread	104° x 98°
Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms Power Consumption 100 W Power Factor (Fraction) 0.98 Connection Screw connection block 5-pole Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Optic type outdoor	Petrol asymmetric medium
Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms Power Consumption 100 W Power Factor (Fraction) 0.98 Connection Screw connection block 5-pole Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear		
Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms Power Consumption 100 W Power Factor (Fraction) 0.98 Connection Screw connection block 5-pole Cable Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Operating and Electrical	
Inrush current 53 A Inrush time 0.3 ms Power Consumption 100 W Power Factor (Fraction) 0.98 Connection Screw connection block 5-pole Cable Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Input Voltage	220 to 240 V
Inrush time 0.3 ms Power Consumption 100 W Power Factor (Fraction) 0.98 Connection Screw connection block 5-pole Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Line Frequency	50 to 60 Hz
Power Consumption 100 W Power Factor (Fraction) 0.98 Connection Screw connection block 5-pole Cable Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Inrush current	53 A
Power Factor (Fraction) Connection Screw connection block 5-pole Cable Cable Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Inrush time	0.3 ms
Connection Screw connection block 5-pole Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Power Consumption	100 W
Cable Cable 2.0 m with screw connector Number of products on MCB of 16 A type B 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 Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Power Factor (Fraction)	0.98
Number of products on MCB of 16 A type B 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 Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Connection	Screw connection block 5-pole
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 Steel Housing Color White Mounting device Optical cover shape Convex lens Optical cover finish Clear	Cable	Cable 2.0 m with screw connector
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 Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Number of products on MCB of 16 A type B	8
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 Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear		
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 Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Temperature	
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	Ambient temperature range	-30 to +40 °C
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		
Driver/power unit/transformer Control interface Constant light output No Mechanical and Housing Housing Material Aluminum Reflector material Optic material Optical cover material Fixation material Housing Color White Mounting device Optical cover shape Convex lens Optical cover finish Clear	Controls and Dimming	
Control interface - Constant light output No Mechanical and Housing Housing Material Aluminum Reflector material - Optic material Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Dimmable	Yes
Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Glass Fixation material Housing Color White Mounting device Optical cover shape Convex lens Optical cover finish	Driver/power unit/transformer	Power supply unit regulating external
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	Control interface	-
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	Constant light output	No
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		
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	Mechanical and Housing	
Optic material Acrylate Optical cover material Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Housing Material	Aluminum
Optical cover material Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Reflector material	-
Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Optic material	Acrylate
Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Optical cover material	Glass
Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Fixation material	Steel
Optical cover shape Convex lens Optical cover finish Clear	Housing Color	White
Optical cover finish Clear	Mounting device	-
	Optical cover shape	Convex lens
Overall length 413 mm	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 %
Application Conditions	
Maximum dim level	10%
Product Data	
Order product name	BBP400 ECO136-3S/757 I PAM WH MDU
	MWS CF
Full product name	BBP400 ECO136-3S/757 I PAM WH MDU
	MWS CF
Full product code	871829190915600
Order code	90915600
Material Nr. (12NC)	910930205441
Numerator - Quantity Per Pack	1
Numerator - Quantity Per Pack EAN/UPC - Product/Case	1 8718291909156
EAN/UPC - Product/Case	8718291909156

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.