

# Mini 300 LED gen2

## BCS400 ECO121-3S/757 I PRM WH

Mini300 LED gen2, 48, LED EconomyLine 12100 lm, LED, 88 W, Power supply unit regulating, Petrol rotational symmetric medium, Flat glass, 114°

The Mini 300 LED gen2 luminaires provides highly efficient, controlable and manageable lighting solutions for petrols station canopies and low bay applications. These ultra-efficient retrofit LED fixtures are the latest development of the Philips Mini 300 range offering outstanding light quality, effective thermal management, and long lifespan. Reduced maintenance, replacement and energy costs also mean a short payback period, making Mini 300 LED gen2 a shining example of how businesses can save money without compromising on light quality by opting for energy efficient LED products. The integrated movement detector, daylight sensor and scheduler options enabls further energy savings. Our Mini 300 LED gen2 app gives users control in ways that are simply not possible with other luminaires – reading status, managing and controlling lighting from ground level using a laptop or Smartphone via Bluetooth - removing the need for access cranes or ladders.

### 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 |

# Mini 300 LED gen2

| | |
|---|---|
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |
| **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** | 114° |
| **Optic type outdoor** | Petrol rotational symmetric 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** | 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 |

## Temperature

| | |
|---|---|
| **Ambient temperature range** | -30 to +40 °C |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | No |
| **Driver/power unit/transformer** | Power supply unit regulating |
| **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 |
| **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 |

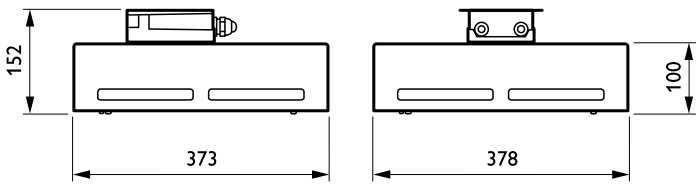
## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Driver failure rate at 5000 h** | 0.1 % |

## Product Data

| | |
|---|---|
| **Order product name** | BCS400 ECO121-3S/757 I PRM WH |
| **Full product name** | BCS400 ECO121-3S/757 I PRM WH |
| **Full product code** | 871829106807500 |
| **Order code** | 910930205549 |
| **Material Nr. (12NC)** | 910930205549 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718291068075 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718291068075 |

## 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