

# Mini 300 LED gen2

## BBP400 ECO106-3S/757 I PAM WH MDU MWS PH

Mini300 LED gen2, LED EconomyLine 10600 lm, Petrol asymmetric medium, Movement detection unit, Photocell included

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** | ECO106 [LED EconomyLine 10600 lm] |
| **Light source replaceable** | Yes |
| **Number of gear units** | 1 unit |
| **Driver included** | Yes |
| **Photocell** | Photocell included |
| **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** | 11,100 lm |
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |

# 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** | 44 |
| **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 time** | 0.3 ms |
| **Power Consumption** | 78 W |
| **Power Factor (Fraction)** | 0.96 |
| **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** | 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 % |

## Application Conditions

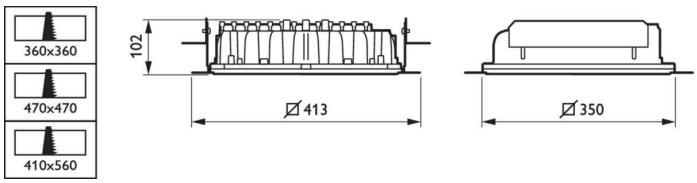
| | |
|---|---|
| **Maximum dim level** | 10% |

## Product Data

| | |
|---|---|
| **Order product name** | BBP400 ECO106-3S/757 I PAM WH MDU MWS PH |
| **Full product name** | BBP400 ECO106-3S/757 I PAM WH MDU MWS PH |
| **Full product code** | 871829189677700 |
| **Order code** | 89677700 |
| **Material Nr. (12NC)** | 910930205420 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718291896777 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718291896777 |

# Mini 300 LED gen2

## Dimensional drawing




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