# Mini 300 LED gen2

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

Mini300 LED gen2, 48, LED GreenLine 8300 lm, LED, 57 W, Power supply unit regulating external, Petrol rotational symmetric wide, Flat glass, 135°, 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] |
| **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** | 8,700 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)** | 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** | 135° |
| **Optic type outdoor** | Petrol rotational symmetric wide |

## 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 |

## 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

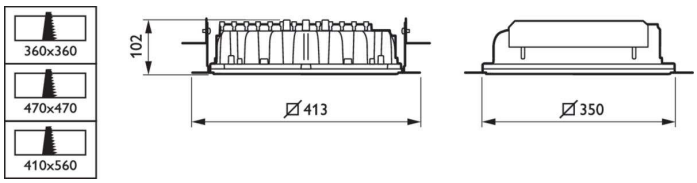
| | |
|---|---|
| **Maximum dim level** | 10% |

## Product Data

| | |
|---|---|
| **Order product name** | BBP400 GRN83-3S/757 I PRW WH MDU CFRM-1 |
| **Full product name** | BBP400 GRN83-3S/757 I PRW WH MDU CFRM-1 |
| **Full product code** | 871829106794800 |
| **Order code** | 06794800 |
| **Material Nr. (12NC)** | 910930205536 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718291067948 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718291067948 |

# Mini 300 LED gen2

## Dimensional drawing




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