



# Mini 300 LED gen2

## BBP400 ECO121-3S/757 I PRM WH CFRM-1

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

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] | Warranty period                | 5 years                          |
| Light source replaceable | Yes                               | Flammability mark              | -                                |
| Number of gear units     | 1 unit                            | ENEC mark                      | ENEC mark                        |
| Driver included          | Yes                               | Glow-wire test                 | Temperature 960 °C, duration 5 s |
| Photocell                | -                                 | EU RoHS compliant              | No                               |
| Light source engine type | LED                               | Light Technical                |                                  |
| Product family code      | BBP400 [Mini300 LED gen2]         | Upward light output ratio      | 0                                |
| Lighting Technology      | LED                               | Luminous Flux                  | 12,700 lm                        |
| Embedded control         | -                                 | Standard tilt angle posttop    | 0°                               |
| CE mark                  | Yes                               | 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            | 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                                    | 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                      | 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      | 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                   |

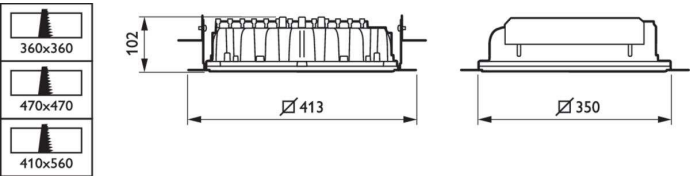
Over Time Performance (IEC Compliant)

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

Product Data

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Order product name              | BBP400 ECO121-3S/757 I PRM WH CFRM-1 |
| Full product name               | BBP400 ECO121-3S/757 I PRM WH CFRM-1 |
| Full product code               | 871829106743600                      |
| Order code                      | 910930205484                         |
| Material Nr. (12NC)             | 910930205484                         |
| Numerator - Quantity Per Pack   | 1                                    |
| EAN/UPC - Product/Case          | 8718291067436                        |
| Numerator - Packs per outer box | 1                                    |
| EAN/UPC - Case                  | 8718291067436                        |

Dimensional drawing



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