# **PHILIPS** Lighting



## Mini 300 LED gen2

### BBP400 ECO136-3S/757 I PRW WH MDU MWS PH

Mini300 LED gen2, LED EconomyLine 13600 lm, Petrol rotational symmetric wide, Movement detection unit, Photocell included

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         | ECO136 [LED EconomyLine 13600 lm] |
| Light source replaceable | Yes                               |
| Number of gear units     | 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            |                                  |
| Upwards light output ratio | 0                                |
| Luminous Flux              | 14,300 lm                        |
|                            |                                  |

#### Mini 300 LED gen2

| Standard tilt angle post-top     | 0°                               |
|----------------------------------|----------------------------------|
| Standard tilt angle side entry   | 0°                               |
| Correlated Colour Temperature    | 5700 K                           |
| Luminous efficacy (rated) (nom.) | 125 lm/W                         |
| Colour rendering index (CRI)     | ≥70                              |
| Light source colour              | 757 cool white                   |
| Optical cover type               | Flat glass                       |
| Luminaire light beam spread      | 135°                             |
| Optic type outdoor               | Petrol rotational symmetric wide |

| Optical cover/lens finish           | Clear             |
|-------------------------------------|-------------------|
| Overall length                      | 413 mm            |
| Overall width                       | 413 mm            |
| Overall height                      | 95 mm             |
| Effective projected area            | 0 m <sup>2</sup>  |
| 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                   |

0.1 %

| <b>Over Time Perform</b> | nance (IEC | Compliant) |
|--------------------------|------------|------------|
|--------------------------|------------|------------|

Driver failure rate at 5,000 hours

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

| Prod | luct | Data |  |
|------|------|------|--|
|      |      |      |  |

| Order product name                | BBP400 ECO136-3S/757 I PRW WH MDU |
|-----------------------------------|-----------------------------------|
|                                   | MWS PH                            |
| Full product name                 | BBP400 ECO136-3S/757 I PRW WH MDU |
|                                   | MWS PH                            |
| Full EOC                          | 871829187841400                   |
| Order code                        | 87841400                          |
| Material no. (12 NC)              | 910930205358                      |
| SAP numerator – quantity per pack | 1                                 |
| EAN/UPC — Product/Case            | 8718291878414                     |
| Numerator – packs per outer box   | 1                                 |
| EAN/UPC - Case                    | 8718291878414                     |

| 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 |                                  |  |  |

| Т | e | m | р | e | ra | tι | ire | 2 |
|---|---|---|---|---|----|----|-----|---|
|   |   |   |   |   |    |    |     |   |

Ambient temperature range

| Controls and Dimming          |                                       |
|-------------------------------|---------------------------------------|
| Dimmable                      | Yes                                   |
| Driver/power unit/transformer | Power supply unit regulating external |
| Control interface             | -                                     |
| Constant light output         | No                                    |

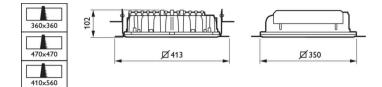
-30 to +40 °C

#### Mechanical and Housing

| Housing material            | Aluminium   |
|-----------------------------|-------------|
| Reflector material          | -           |
| Optic material              | Acrylate    |
| Optical cover/lens material | Glass       |
| Fixation material           | Steel       |
| Housing Colour              | White       |
| Mounting device             | -           |
| Optical cover/lens shape    | Convex lens |
|                             |             |

#### Mini 300 LED gen2

#### Dimensional drawing





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