



# Mini 300 LED gen2

## BVS400 GRN59-3S/740 I PRM GR MDU

Mini300 LED gen2, LED GreenLine 5900 lm, Petrol rotational symmetric medium, 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      |                                  | Light Technical                    |          |
|--------------------------|----------------------------------|------------------------------------|----------|
| Lamp family code         | GRN59 [LED GreenLine 5900 lm]    | Upward light output ratio          | 0        |
| Light source replaceable | Yes                              | Luminous Flux                      | 6,200 lm |
| Number of gear units     | 1 unit                           | Standard tilt angle posttop        | 0°       |
| Driver included          | Yes                              | Standard tilt angle side entry     | 0°       |
| Photocell                | -                                | Correlated Color Temperature (Nom) | 4000 K   |
| Light source engine type | LED                              | Luminous Efficacy (rated) (Nom)    | 135 lm/W |
| Product family code      | BVS400 [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                               |                                    |          |

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|                             |                                    |
|-----------------------------|------------------------------------|
| Color rendering index (CRI) | ≥70                                |
| Number of light sources     | 48                                 |
| Light source color          | 740 neutral 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                           | 46 A                               |
| Inrush time                              | 0.25 ms                            |
| Power Consumption                        | 46 W                               |
| Power Factor (Fraction)                  | 0.9                                |
| Connection                               | Screw connection block 3-pole      |
| Cable                                    | Cable 0.45 m with connector 3-pole |
| 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          | Grey        |
| Mounting device        | -           |
| Optical cover shape    | Convex lens |
| Optical cover finish   | Clear       |

|                                     |                   |
|-------------------------------------|-------------------|
| Overall length                      | 440 mm            |
| Overall width                       | 374 mm            |
| Overall height                      | 96 mm             |
| Effective projected area            | 0 m²              |
| Dimensions (Height x Width x Depth) | 96 x 374 x 440 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                  | (0.380, 0.380) 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 % |
|-------------------------------|-------|

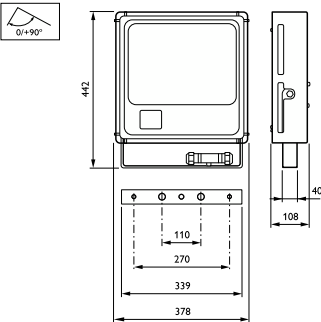
Application Conditions

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

Product Data

|                                 |                                  |
|---------------------------------|----------------------------------|
| Order product name              | BVS400 GRN59-3S/740 I PRM GR MDU |
| Full product name               | BVS400 GRN59-3S/740 I PRM GR MDU |
| Full product code               | 871829187776900                  |
| Order code                      | 87776900                         |
| Material Nr. (12NC)             | 910930205314                     |
| Numerator - Quantity Per Pack   | 1                                |
| EAN/UPC - Product/Case          | 8718291877769                    |
| Numerator - Packs per outer box | 1                                |
| EAN/UPC - Case                  | 8718291877769                    |

Dimensional drawing



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