



Mini 300 LED gen2

BBP400 GRN83-3S/757 I A WH CFRM-1

Mini300 LED gen2, 48, LED GreenLine 8300 lm, LED, 57 W, Power supply unit regulating, Asymmetrical, Flat glass, 140° x 70°

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 | | Warranty period | |
|--------------------------|-------------------------------|--------------------------------|----------------------------------|
| Lamp family code | GRN83 [LED GreenLine 8300 lm] | Flammability mark | - |
| Light source replaceable | Yes | ENEC mark | ENEC mark |
| Number of gear units | 1 unit | Glow-wire test | Temperature 960 °C, duration 5 s |
| Driver included | Yes | EU RoHS compliant | No |
| Photocell | - | Light Technical | |
| Light source engine type | LED | Upward light output ratio | 0 |
| Product family code | BBP400 [Mini300 LED gen2] | Luminous Flux | 8,700 lm |
| Lighting Technology | LED | Standard tilt angle posttop | 0° |
| Embedded control | - | Standard tilt angle side entry | 0° |
| CE mark | Yes | | |

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 | 140° x 70° |
| Optic type outdoor | Asymmetrical |

Operating and Electrical

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|--|----------------------------------|
| 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

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|---------------------------|---------------|
| Ambient temperature range | -30 to +40 °C |
|---------------------------|---------------|

Controls and Dimming

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|-------------------------------|------------------------------|
| 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 m ² |
| Dimensions (Height x Width x Depth) | 95 x 413 x 413 mm |

Approval and Application

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|--|--|
| 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)

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|---------------------------------------|------------------------|
| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.341, 0.329) SDCM <5 |
| Power consumption tolerance | +/-10% |
| Init. Color Rendering Index Tolerance | +/-2 |

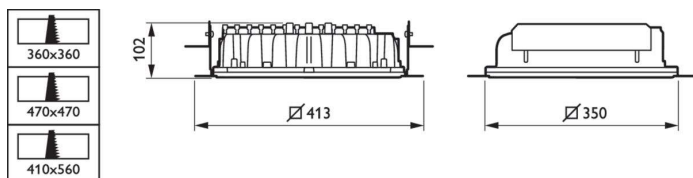
Over Time Performance (IEC Compliant)

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

Product Data

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|---------------------------------|-----------------------------------|
| Order product name | BBP400 GRN83-3S/757 I A WH CFRM-1 |
| Full product name | BBP400 GRN83-3S/757 I A WH CFRM-1 |
| Full product code | 871829106786300 |
| Order code | 06786300 |
| Material Nr. (12NC) | 910930205528 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718291067863 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718291067863 |

Dimensional drawing



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