# Mini500 G3

## BBP500 G2 LED84/CW PSU S-MB

Mini500 G3, 60 W, 8400 lm, 6500 K, 90°

Mini 500 G3 is designed for petrol-station canopies and low/high-bay applications, this ultra-efficient retrofit fixtures offer outstanding light quality, effective thermal management, and a long lifespan. For further energy savings, you could select either simple movement detector sensor or movement detection combined with a daylight sensor.

## Product data

### General Information

| | |
|---|---|
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Light source engine type | LED |
| CE mark | CE mark |
| Warranty period | 3 years |
| Flammability mark | For mounting on normally flammable surfaces |
| ENEC mark | – |
| Glow-wire test | Temperature 650 °C, duration 5 s |
| EU RoHS compliant | No |

### Light Technical

| | |
|---|---|
| Luminous Flux | 8,400 lm |
| Correlated Color Temperature (Nom) | 6500 K |
| Luminous Efficacy (rated) (Nom) | 140 lm/W |
| Color rendering index (CRI) | >80 |
| Beam angle of light source | – degree(s) |
| Light source color | 865 cool daylight |

### Optic type

| | |
|---|---|
| Optic type | Medium beam |
| Optical cover type | Tempered glass |
| Luminaire light beam spread | 90° |

### Operating and Electrical

| | |
|---|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 46 A |
| Inrush time | 440 ms |
| Power Consumption | 60 W |
| Power Factor (Fraction) | 0.95 |
| Connection | Flying leads/wires |
| Cable | Cable 0.3 m without plug |
| Number of products on MCB of 16 A type B | 4 |

### Temperature

| | |
|---|---|
| Ambient temperature range | –40 to +45 °C |

# Mini500 G3

## Controls and Dimming

| | |
|---|---|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | – |
| Constant light output | No |

## Mechanical and Housing

| | |
|---|---|
| Housing Material | Aluminum die cast |
| Reflector material | – |
| Optic material | Polycarbonate |
| Optical cover material | Tempered glass |
| Fixation material | – |
| Housing Color | White |
| Optical cover finish | Clear |
| Overall length | 400 mm |
| Overall width | 400 mm |

## Approval and Application

| | |
|---|---|
| Ingress protection code | IP65 [Dust penetration–protected, jet-proof] |
| Mech. impact protection code | IK07 [2 J reinforced] |
| Protection class IEC | Safety class I |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Luminous flux tolerance | +/–10% |

| | |
|---|---|
| Initial chromaticity | (0.313.0.324)SDCM<5 |
| Power consumption tolerance | +/–10% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| Driver failure rate at 5000 h | 0.01 % |
| Median useful life L70B50 | 50,000 hour(s) |
| Median useful life L80B50 | 40,000 hour(s) |
| Median useful life L90B50 | 30,000 hour(s) |

## Application Conditions

| | |
|---|---|
| Maximum dim level | Not applicable |
| Suitable for random switching | No |

## Product Data

| | |
|---|---|
| Order product name | BBP500 G2 LED84/CW PSU S–MB |
| Full product name | BBP500 G2 LED84/CW PSU S–MB |
| Full product code | 911401533451 |
| Order code | 911401533451 |
| Material Nr. (12NC) | 911401533451 |
| Numerator – Quantity Per Pack | 1 |
| Numerator – Packs per outer box | 1 |

## Dimensional drawing