



Be seen, be safe. A brighter solution lights up the petrol station smartly

Mini500 G3

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.

Benefits

- Increases visibility and safety at night
- Achieve additional 45% energy saving through occupancy detection and daylight harvest based dimming (based on usage behavior)
- High energy saving – up to 49% comparing to CDM system.
- Suits for multiple applications

Features

- Precision-control optics with three choices: S-WB/S-MB/A-WB ; CRI 80
- Intelligent system with integrated PIR/DDR sensor
- System efficacy 140 lumen per watt
- Provides surface, recess and pole mounting options

Application

- Petrol and service stations
- Warehouses, DIY stores, production halls
- Other Indoor high ceiling applications

Mini500 G3

Versions



BBP500



BCP500

Product details



Mini500G3 3



Mini500G3 4

Mini500 G3

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|--|---|
| - | |
| Driver failure rate at 5000 h | 0.01 % |
| Approval and Application | |
| Mech. impact protection code | IK07 |
| Operating and Electrical | |
| Input Voltage | 220 to 240 V |
| General Information | |
| CE mark | CE mark |
| Protection class IEC | Safety class I |
| Optical cover/lens type | Tempered glass |
| Driver included | Yes |
| ENEC mark | - |
| Flammability mark | For mounting on normally flammable surfaces |
| Glow-wire test | Temperature 650 °C, duration 5 s |
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Initial Performance (IEC Compliant) | |
| Init. Color Rendering Index | >80 |
| Luminous flux tolerance | +/-10% |
| Mechanical and Housing | |
| Color | White |
| Over Time Performance (IEC Compliant) | |
| Median useful life L80B50 | 40000 h |
| Median useful life L90B50 | 30000 h |

Application Conditions

| Order Code | Full Product Name | Ambient temperature range | Maximum dim level | Suitable for random switching |
|--------------|-------------------------------|---------------------------|-------------------|-------------------------------|
| 911401531951 | BBP500 G2 LED140/CW PSU S-WB | -40 to +45 °C | Not applicable | No |
| 911401532151 | BBP500 G2 LED140/NW PSU S-MB | -40 to +45 °C | Not applicable | No |
| 911401533551 | BBP500 G2 LED84/CW PSU S-WB | -40 to +45 °C | Not applicable | No |
| 911401533851 | BBP500 G2 LED84/NW PSU S-WB | -40 to +45 °C | Not applicable | No |
| 911401534151 | BBP500 G2 LED180/CW PSU S-WB | -40 to +45 °C | Not applicable | No |
| 911401538751 | BBP500 G2 LED125/NW PSU S-WB | -40 to +45 °C | Not applicable | No |
| 911401535151 | BGP500 G2 LED140/CW PSU S-WB | -40 to +45 °C | Not applicable | No |
| 911401536351 | BGP500 G2X LED140/NW PIR S-MB | -20 to +45 °C | 25% | Yes |
| 911401537351 | BGP500 G2 LED180/CW PSU S-WB | -40 to +45 °C | Not applicable | No |

Approval and Application

| Order Code | Full Product Name | Ingress protection code |
|--------------|------------------------------|-------------------------|
| 911401531951 | BBP500 G2 LED140/CW PSU S-WB | IP65 |
| 911401532151 | BBP500 G2 LED140/NW PSU S-MB | IP65 |
| 911401533551 | BBP500 G2 LED84/CW PSU S-WB | IP65 |
| 911401533851 | BBP500 G2 LED84/NW PSU S-WB | IP65 |
| 911401534151 | BBP500 G2 LED180/CW PSU S-WB | IP65 |

| Order Code | Full Product Name | Ingress protection code |
|--------------|-------------------------------|-------------------------|
| 911401538751 | BBP500 G2 LED125/NW PSU S-WB | IP65 |
| 911401535151 | BGP500 G2 LED140/CW PSU S-WB | IP65 |
| 911401536351 | BGP500 G2X LED140/NW PIR S-MB | IP54 |
| 911401537351 | BGP500 G2 LED180/CW PSU S-WB | IP65 |

Controls and Dimming

| Order Code | Full Product Name | Dimmable |
|--------------|------------------------------|----------|
| 911401531951 | BBP500 G2 LED140/CW PSU S-WB | No |
| 911401532151 | BBP500 G2 LED140/NW PSU S-MB | No |
| 911401533551 | BBP500 G2 LED84/CW PSU S-WB | No |
| 911401533851 | BBP500 G2 LED84/NW PSU S-WB | No |
| 911401534151 | BBP500 G2 LED180/CW PSU S-WB | No |

| Order Code | Full Product Name | Dimmable |
|--------------|-------------------------------|----------|
| 911401538751 | BBP500 G2 LED125/NW PSU S-WB | No |
| 911401535151 | BGP500 G2 LED140/CW PSU S-WB | No |
| 911401536351 | BGP500 G2X LED140/NW PIR S-MB | Yes |
| 911401537351 | BGP500 G2 LED180/CW PSU S-WB | No |

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General Information

| Order Code | Full Product Name | Beam angle of light | |
|--------------|------------------------------|---------------------|-------------|
| | | source | Optic type |
| 911401531951 | BBP500 G2 LED140/CW PSU S-WB | - ° | Wide beam |
| 911401532151 | BBP500 G2 LED140/NW PSU S-MB | - ° | Medium beam |
| 911401533551 | BBP500 G2 LED84/CW PSU S-WB | - ° | Wide beam |
| 911401533851 | BBP500 G2 LED84/NW PSU S-WB | - ° | Wide beam |
| 911401534151 | BBP500 G2 LED180/CW PSU S-WB | - ° | Wide beam |

| Order Code | Full Product Name | Beam angle of light | |
|--------------|-------------------------------|---------------------|-------------|
| | | source | Optic type |
| 911401538751 | BBP500 G2 LED125/NW PSU S-WB | - ° | Wide beam |
| 911401535151 | BCP500 G2 LED140/CW PSU S-WB | - | Wide beam |
| 911401536351 | BCP500 G2X LED140/NW PIR S-MB | - | Medium beam |
| 911401537351 | BCP500 G2 LED180/CW PSU S-WB | - | Wide beam |

Initial Performance (IEC Compliant) (1/2)

| Order Code | Full Product Name | | Init. Corr. Color Temperature | Initial LED luminaire efficacy | Initial luminous flux |
|--------------|------------------------------|----------------------|-------------------------------|--------------------------------|-----------------------|
| | Name | Initial chromaticity | | | |
| 911401531951 | BBP500 G2 LED140/CW PSU S-WB | (0.313.0.324)SDCM<5 | 6500 K | 140 lm/W | 14000 lm |
| 911401532151 | BBP500 G2 LED140/NW PSU S-MB | (0.38.0.38)SDCM<5 | 4000 K | 140 lm/W | 14000 lm |
| 911401533551 | BBP500 G2 LED84/CW PSU S-WB | (0.313.0.324)SDCM<5 | 6500 K | 140 lm/W | 8400 lm |
| 911401533851 | BBP500 G2 LED84/NW PSU S-WB | (0.38.0.38)SDCM<5 | 4000 K | 140 lm/W | 8400 lm |
| 911401534151 | BBP500 G2 LED180/CW PSU S-WB | (0.313.0.324)SDCM<5 | 6500 K | 129 lm/W | 18000 lm |

| Order Code | Full Product Name | | Init. Corr. Color Temperature | Initial LED luminaire efficacy | Initial luminous flux |
|--------------|-------------------------------|----------------------|-------------------------------|--------------------------------|-----------------------|
| | Name | Initial chromaticity | | | |
| 911401538751 | BBP500 G2 LED125/NW PSU S-WB | (0.38.0.38)SDCM<5 | 4000 K | 139 lm/W | 12500 lm |
| 911401535151 | BCP500 G2 LED140/CW PSU S-WB | (0.313.0.324)SDCM<5 | 6500 K | 140 lm/W | 14000 lm |
| 911401536351 | BCP500 G2X LED140/NW PIR S-MB | (0.38.0.38)SDCM<5 | 4000 K | 140 lm/W | 14000 lm |
| 911401537351 | BCP500 G2 LED180/CW PSU S-WB | (0.313.0.324)SDCM<5 | 6500 K | 129 lm/W | 18000 lm |

Initial Performance (IEC Compliant) (2/2)

| Order Code | Full Product Name | Initial input power |
|--------------|------------------------------|---------------------|
| 911401531951 | BBP500 G2 LED140/CW PSU S-WB | 100 W |
| 911401532151 | BBP500 G2 LED140/NW PSU S-MB | 100 W |
| 911401533551 | BBP500 G2 LED84/CW PSU S-WB | 60 W |
| 911401533851 | BBP500 G2 LED84/NW PSU S-WB | 60 W |
| 911401534151 | BBP500 G2 LED180/CW PSU S-WB | 140 W |

| Order Code | Full Product Name | Initial input power |
|--------------|-------------------------------|---------------------|
| 911401538751 | BBP500 G2 LED125/NW PSU S-WB | 90 W |
| 911401535151 | BCP500 G2 LED140/CW PSU S-WB | 100 W |
| 911401536351 | BCP500 G2X LED140/NW PIR S-MB | 100 W |
| 911401537351 | BCP500 G2 LED180/CW PSU S-WB | 140 W |

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