



# SmartBright Highbay G2

## BY228P LED50/CW PSU EN

SmartBright Highbay G2, 60 W, 5400 lm, 6500 K, 110°

SmartBright Highbay G2 is a high efficient and reliable LED luminaire. Designed as the point to point replacement for HPI 250W/400W luminaires, it offers customers all the benefits of LED lighting – reduced energy consumption, longer service time and less maintenance. In addition, with using high quality of the optical plate, it provides an excellent quality of light, which effectively improves the comfort of your environment.

### Product data

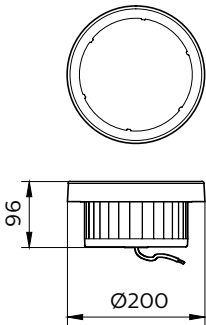
| General Information                |                                             |                                 |                          |
|------------------------------------|---------------------------------------------|---------------------------------|--------------------------|
| Light source replaceable           | No                                          | Luminous Efficacy (rated) (Nom) | 90 lm/W                  |
| Number of gear units               | 2 units                                     | Color rendering index (CRI)     | ≥80                      |
| Driver included                    | Yes                                         | Light source color              | 865 cool daylight        |
| Light source engine type           | LED                                         | Optic type                      | Wide beam                |
| CE mark                            | CE mark                                     | Optical cover type              | Opal                     |
| Warranty period                    | 3 years                                     | Luminaire light beam spread     | 110°                     |
| Flammability mark                  | For mounting on normally flammable surfaces | Operating and Electrical        |                          |
| ENEC mark                          | -                                           | Input Voltage                   | 220-240 V                |
| Glow-wire test                     | Temperature 650 °C, duration 5 s            | Line Frequency                  | 50 or 60 Hz              |
| EU RoHS compliant                  | No                                          | Inrush current                  | 26 A                     |
| Light Technical                    |                                             | Inrush time                     | 250 ms                   |
| Luminous Flux                      | 5,400 lm                                    | Power Consumption               | 60 W                     |
| Correlated Color Temperature (Nom) | 6500 K                                      | Power Factor (Fraction)         | 0.95                     |
|                                    |                                             | Connection                      | Flying leads/wires       |
|                                    |                                             | Cable                           | Cable 0.3 m without plug |

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|                                             |                            |
|---------------------------------------------|----------------------------|
| Number of products on MCB of 16 A type B 20 |                            |
| Temperature                                 |                            |
| Ambient temperature range                   | -20 to +40 °C              |
| 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                   |
| Reflector material                          | -                          |
| Optic material                              | Polycarbonate              |
| Optical cover material                      | Polycarbonate              |
| Fixation material                           | -                          |
| Housing Color                               | Gray and gray              |
| Optical cover finish                        | Frosted                    |
| Overall height                              | 96 mm                      |
| Overall diameter                            | 200 mm                     |
| Approval and Application                    |                            |
| Ingress protection code                     | IP20 [Finger-protected]    |
| Mech. impact protection code                | IK03 [0.3 J]               |
| Protection class IEC                        | Safety class I             |

|                                       |                        |
|---------------------------------------|------------------------|
| Initial Performance (IEC Compliant)   |                        |
| Luminous flux tolerance               | +/-10%                 |
| Initial chromaticity                  | SDCM<5                 |
| Power consumption tolerance           | +/-10%                 |
| Over Time Performance (IEC Compliant) |                        |
| Driver failure rate at 5000 h         | 1 %                    |
| Median useful life L70B50             | 30,000 hour(s)         |
| Median useful life L80B50             | 25,000 hour(s)         |
| Median useful life L90B50             | 15,000 hour(s)         |
| Application Conditions                |                        |
| Suitable for random switching         | No                     |
| Product Data                          |                        |
| Order product name                    | BY228P LED50/CW PSU EN |
| Full product name                     | BY228P LED50/CW PSU EN |
| Full product code                     | 871016331116600        |
| Order code                            | 911401821497           |
| Material Nr. (12NC)                   | 911401821497           |
| Numerator - Quantity Per Pack         | 1                      |
| EAN/UPC - Product/Case                | 8710163311166          |
| Numerator - Packs per outer box       | 1                      |
| EAN/UPC - Case                        | 8710163311166          |

Dimensional drawing



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