



# SmartBright Highbay G3

## BY239P LED100/NW PSU

Power supply unit - - - Polycarbonate bowl/cover foggy - 100°

SmartBright Highbay G3 is a highly efficient and reliable LED luminaire. Designed as the point-to-point replacement for HPI 250 W/400 W luminaires, it offers customers all the benefits of LED lighting – reduced energy consumption, longer service time and less maintenance. In addition, using the high-quality optical provides an excellent quality of light, which effectively improves the comfort of your environment.

### Product data

| General Information           |   | CE mark                                 | CE mark      |
|-------------------------------|---|---|--------------|
| Beam angle of light source    | - °                                       | ENEC mark                               | -            |
| Lamp colour code              | 840 neutral white                         | Warranty period                         | 3 years      |
| Light source replaceable      | No  | Constant light output                   | No           |
| Number of gear units          | 1 unit                                    | Number of products on MCB (16 A type B) | 24           |
| Driver/power unit/transformer | PSU [ Power supply unit]                  | EU RoHS compliant                       | No           |
| Driver included               | Yes                                       | Light source engine type                | LED          |
| Optic type                    | No [ -]                                   | <b>Operating and Electrical</b>         |              |
| Optical cover/lens type       | Polycarbonate bowl/cover foggy            | Input Voltage                           | 220 to 240 V |
| Luminaire light beam spread   | 100°                                      | Input frequency                         | 50 to 60 Hz  |
| Control interface             | -   | Initial CLO power consumption           | - W          |
| Connection                    | No [ -]                                   | Average CLO power consumption           | - W          |
| Cable                         | Cable 0.3 m without plug                  | Inrush current                          | 10.6 A       |
| Protection class IEC          | Safety class I (I)                        | Inrush time                             | 0.13 ms      |
| Glow-wire test                | 650/5 [ Temperature 650 °C, duration 5 s] |   |              |
| Flammability mark             | NO [ -]                                   |   |              |

# SmartBright Highbay G3

|                     |     |
|---------------------|-----|
| Power factor (min.) | 0.9 |
|---------------------|-----|

## Controls and Dimming

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

## Mechanical and Housing

|                             |                   |
|-----------------------------|-------------------|
| Housing material            | Aluminum die-cast |
| Reflector material          | -                 |
| Optic material              | -                 |
| Optical cover/lens material | Polycarbonate     |
| Fixation material           | Aluminium         |
| Optical cover/lens finish   | Frosted           |
| Overall height              | 50 mm             |
| Overall diameter            | 243 mm            |
| Colour                      | Dark Grey         |

## Approval and Application

|                              |   |
|------------------------------|---|
| Ingress protection code      | IP65 [ Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK06 [ 1 J]                                   |

## Initial Performance (IEC Compliant)

|                                     |          |
|-------------------------------------|----------|
| Initial luminous flux (system flux) | 10000 lm |
| Luminous flux tolerance             | +/-10%   |
| Initial LED luminaire efficacy      | 103 lm/W |
| Lamp colour temperature             | 4000 K   |
| Colour Rendering Index              | 80       |

|                             |                   |
|-----------------------------|-------------------|
| Initial chromaticity        | (0.38,0.38)SDCM<5 |
| Initial input power         | 97 W              |
| Power consumption tolerance | +/-10%            |

## Over Time Performance (IEC Compliant)

|                           |         |
|---------------------------|---------|
| Median useful life L70B50 | 30000 h |
| Median useful life L80B50 | 20000 h |
| Median useful life L90B50 | 10000 h |

## Application Conditions

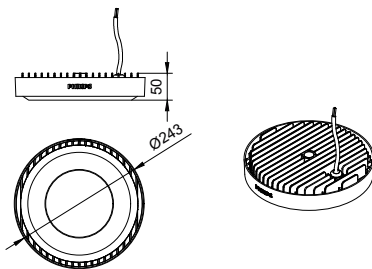
|                           |                |
|---------------------------|----------------|
| Ambient temperature range | -20 to +45 °C  |
| Maximum dimming level     | Not applicable |

## Product Data

|                                   |                      |
|-----------------------------------|----------------------|
| Full product code                 | 911401564751         |
| Order product name                | BY239P LED100/NW PSU |
| EAN/UPC – product                 | 6923828633523        |
| Order code                        | 911401564751         |
| SAP numerator – quantity per pack | 1                    |
| Numerator – packs per outer box   | 4                    |
| SAP material                      | 911401564751         |
| SAP net weight (piece)            | 1.500 kg             |



## Dimensional drawing



BY228P/BY238P/BY239P SmartBright Highbay

## SmartBright Highbay G3

