



# Selenium LED

## BGP340 LED110--3S/740 PSU II DM MSP 48/6

Selenium LED, LED module 11000 lm, Power supply unit (On/Off), Distribution medium, Marine salt protected coating, Universal for diameter 48 to 60 mm

Selenium LED is a cost-effective road-lighting luminaire, which delivers over 60% energy saving compared with conventional solutions. Its simple, rounded form reduces its daytime visual impact, allowing it to integrate into any kind of environment. The LEDGINE technology inside the luminaire ensures an efficient and uniform light distribution, covering the widest possible range of applications. And installation and maintenance could not be simpler: connectors and driver are directly accessible, without the use of tools.

### Product data

| General Information      |  | Lighting Technology                |                                  |
|--------------------------|--|------------------------------------|----------------------------------|
| Lamp family code         | LED110 [LED module 11000 lm]   | Embedded control                   | -                                |
| Light source replaceable | Yes  | CE mark                            | Yes                              |
| Number of gear units     | 1 unit   | Warranty period                    | 5 years                          |
| Driver included          | Yes  | Flammability mark                  | -                                |
| Photocell                | -  | ENEC mark                          | ENEC mark                        |
| Remarks                  | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. | Glow-wire test                     | Temperature 960 °C, duration 5 s |
| Light source engine type | LED  | EU RoHS compliant                  | No                               |
| Product family code      | BGP340 [Selenium LED]  | Light Technical                    |                                  |
|                          |  | Upward light output ratio          | 0                                |
|                          |  | Luminous Flux                      | 9,381 lm                         |
|                          |  | Standard tilt angle posttop        | 0°                               |
|                          |  | Standard tilt angle side entry     | 0°                               |
|                          |  | Correlated Color Temperature (Nom) | 4000 K                           |

## Selenium LED

|                                 |                     |
|---------------------------------|---------------------|
| Luminous Efficacy (rated) (Nom) | 110 lm/W            |
| Color rendering index (CRI)     | ≥70                 |
| Number of light sources         | 1                   |
| Light source color              | 740 neutral white   |
| Optical cover type              | Flat glass          |
| Luminaire light beam spread     | 160°                |
| Optic type outdoor              | Distribution medium |

### Operating and Electrical

|  |                               |
|--|-------------------------------|
| Input Voltage                            | 220-240 V                     |
| Line Frequency                           | 50 to 60 Hz                   |
| Inrush current                           | 80 A                          |
| Inrush time                              | 150 ms                        |
| Power Consumption                        | 85 W                          |
| Power Factor (Fraction)                  | 0.95                          |
| Connection                               | Screw connection block 3-pole |
| Cable                                    | -                             |
| Number of products on MCB of 16 A type B | 8                             |

### Temperature

|                           |               |
|---------------------------|---------------|
| Ambient temperature range | -30 to +45 °C |
|---------------------------|---------------|

### Controls and Dimming

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

### Mechanical and Housing

|                        |                                    |
|------------------------|------------------------------------|
| Housing Material       | Aluminum                           |
| Reflector material     | -                                  |
| Optic material         | Glass                              |
| Optical cover material | Glass                              |
| Fixation material      | Stainless steel                    |
| Housing Color          | Aluminum and gray                  |
| Mounting device        | Universal for diameter 48 to 60 mm |
| Optical cover shape    | Flat                               |
| Optical cover finish   | Clear                              |
| Overall length         | 750 mm                             |
| Overall width          | 320 mm                             |

|                                     |                    |
|-------------------------------------|--------------------|
| Overall height                      | 210 mm             |
| Effective projected area            | 0.07 m²            |
| Dimensions (Height x Width x Depth) | 210 x 320 x 750 mm |

### Approval and Application

|  |  |
|--|--|
| Ingress protection code                | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code           | IK08 [5 J vandal-protected]                  |
| Surge Protection (Common/Differential) | 6/4 kV                                       |
| Protection class IEC                   | Safety class II                              |

### Initial Performance (IEC Compliant)

|                                       |                        |
|---------------------------------------|------------------------|
| Luminous flux tolerance               | +/-7%                  |
| Initial chromaticity                  | (0.380, 0.370) SDCM <3 |
| Power consumption tolerance           | +/-10%                 |
| Init. Color Rendering Index Tolerance | +/-2                   |

### Over Time Performance (IEC Compliant)

|   |       |
|---|-------|
| Control gear failure rate at median useful life 75000 h | 7.5 % |
| Lumen maintenance at median useful life* 75000 h        | L80   |

### Application Conditions

|                                    |       |
|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
|------------------------------------|-------|

### Product Data

|                                 |  |
|---------------------------------|--|
| Order product name              | BGP340 LED110--3S/740 PSU II DM MSP 48/6 |
| Full product name               | BGP340 LED110--3S/740 PSU II DM MSP 48/6 |
| Full product code               | 871829106438100                          |
| Order code                      | 06438100                                 |
| Material Nr. (12NC)             | 910925438615                             |
| Numerator - Quantity Per Pack   | 1  |
| EAN/UPC - Product/Case          | 8718291064381                            |
| Numerator - Packs per outer box | 1  |
| EAN/UPC - Case                  | 8718291064381                            |

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Dimensional drawing

