

# Selenium LED

## BGP340 LED110--3S/740 PSU I DM 48/60

Selenium LED - LED module 11000 lm - Power supply unit - Distribution medium - Universal for diameter 48-60 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           |                                      |                    |   |
|-------------------------------|--------------------------------------|--------------------|---|
| Number of light sources       | 1 [ 1 pc]                            | Coating            | -   |
| Lamp family code              | LED110 [ LED module 11000 lm]        | Glow-wire test     | 960/5 [ Temperature 960 °C, duration 5 s]   |
| Lamp version                  | 3S [ 3rd generation, screw fixation] | Flammability mark  | NO [ -]   |
| Light source colour           | 740 neutral white                    | CE mark            | CE mark   |
| Light source replaceable      | Yes                                  | ENEC mark          | ENEC mark   |
| Number of gear units          | 1 unit                               | Warranty period    | 5 years   |
| Driver/power unit/transformer | PSU [ Power supply unit]             | Outdoor optic type | Distribution medium   |
| Driver included               | Yes                                  | RAL colour         | Light gray (7035)   |
| Optical cover/lens type       | FG [ Flat glass]                     | Photocell          | No [ -]   |
| Luminaire light beam spread   | 160°                                 | 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. |
| Embedded control              | No [ -]                              |                    |   |
| Light regulation              | -                                    |                    |   |
| Connection                    | SI [ Screw connection block]         |                    |   |
| Cable                         | -                                    |                    |   |
| Protection class IEC          | Safety class I (I)                   |                    |   |

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|                           |                        |
|---------------------------|------------------------|
| Constant light output     | No                     |
| Number of products on MCB | 8                      |
| RoHS mark                 | -                      |
| WEEE mark                 | -                      |
| LED engine type           | LED                    |
| Product Family Code       | BGP340 [ Selenium LED] |

## Light Technical

|                                |    |
|--------------------------------|----|
| Upward light output ratio      | 0  |
| Standard tilt angle post-top   | 0° |
| Standard tilt angle side entry | 0° |

## Operating and Electrical

|                     |             |
|---------------------|-------------|
| Input voltage       | 220-240 V   |
| Input frequency     | 50 to 60 Hz |
| Inrush current      | 80 A        |
| Inrush time         | 150 ms      |
| Power factor (min.) | 0.9         |
| Power factor (nom.) | 0.95        |

## Controls and Dimming

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

## Mechanical and Housing

|                             |  |
|-----------------------------|--|
| Housing material            | Aluminum                                 |
| Reflector material          | -  |
| Optic material              | Glass                                    |
| Optical cover/lens material | Glass                                    |
| Fixation material           | Stainless steel                          |
| Mounting device             | 48/60 [ Universal for diameter 48-60 mm] |
| Optical cover/lens shape    | Flat                                     |
| Optical cover/lens finish   | Clear                                    |
| Torque                      | 15                                       |
| Overall length              | 750 mm                                   |
| Overall width               | 320 mm                                   |
| Overall height              | 210 mm                                   |
| Effective projected area    | 0.07 m <sup>2</sup>                      |
| Colour                      | Aluminum and gray                        |

## 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  |

## Initial Performance (IEC Compliant)

|                                |                        |
|--------------------------------|------------------------|
| Initial luminous flux          | 9381 lm                |
| Luminous flux tolerance        | +/-7%                  |
| Initial LED luminaire efficacy | 110 lm/W               |
| Init. Corr. colour temperature | 4000 K                 |
| Init. colour rendering index   | ≥70                    |
| Initial chromaticity           | (0.380, 0.370) SDCM <3 |
| Initial input power            | 85 W                   |
| Power consumption tolerance    | +/-11%                 |

## 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

|                                    |               |
|------------------------------------|---------------|
| Ambient temperature range          | -30 to +45 °C |
| Performance ambient temperature Tq | 25 °C         |

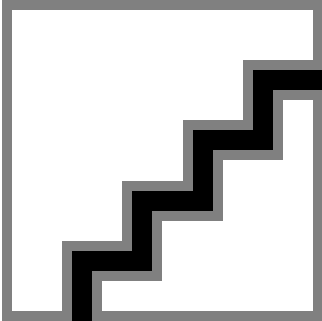
## Product Data

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Full product code               | 871829106346900                      |
| Order product name              | BGP340 LED110--3S/740 PSU I DM 48/60 |
| EAN/UPC – product               | 8718291063469                        |
| Order code                      | 06346900                             |
| Numerator – quantity per pack   | 1                                    |
| Numerator – packs per outer box | 1                                    |
| Material no. (12NC)             | 910925438546                         |
| Net weight (piece)              | 12.000 kg                            |



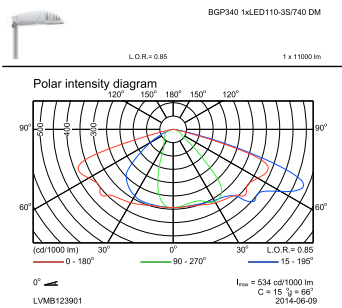
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## Dimensional drawing



Selenium LED BGP340

## Photometric data



OFPC1\_BGP340 1xLED110-3S740 DM.EPS

