



# Selenium LED

## BGP340 LED110--3S/740 PSR II DM DDF2 48/

Selenium LED, LED module 11000 lm, 740 neutral white, Power supply unit regulating, Safety class II, Distribution medium, DynaDimmer with fixed presets version 2, 6/4 kV, 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      |                                                                                                                                                                                                                                                                                        |                             |                                         |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------|
| Lamp family code         | LED110 [LED module 11000 lm]                                                                                                                                                                                                                                                           | Product family code         | BGP340 [Selenium LED]                   |
| Light source replaceable | Yes                                                                                                                                                                                                                                                                                    | Lighting Technology         | LED                                     |
| Number of gear units     | 1 unit                                                                                                                                                                                                                                                                                 | Embedded control            | DynaDimmer with fixed presets version 2 |
| Driver included          | Yes                                                                                                                                                                                                                                                                                    | CE mark                     | Yes                                     |
| Photocell                | -                                                                                                                                                                                                                                                                                      | Warranty period             | 5 years                                 |
| 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. | Flammability mark           | -                                       |
| Light source engine type | LED                                                                                                                                                                                                                                                                                    | ENEC mark                   | ENEC mark                               |
|                          |                                                                                                                                                                                                                                                                                        | Glow-wire test              | Temperature 960 °C, duration 5 s        |
|                          |                                                                                                                                                                                                                                                                                        | EU RoHS compliant           | No                                      |
|                          |                                                                                                                                                                                                                                                                                        | Light Technical             |                                         |
|                          |                                                                                                                                                                                                                                                                                        | Upward light output ratio   | 0                                       |
|                          |                                                                                                                                                                                                                                                                                        | Luminous Flux               | 9,381 lm                                |
|                          |                                                                                                                                                                                                                                                                                        | Standard tilt angle posttop | 0°                                      |

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|                                    |                     |
|------------------------------------|---------------------|
| Standard tilt angle side entry     | 0°                  |
| Correlated Color Temperature (Nom) | 4000 K              |
| 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                      | Yes                          |
| Driver/power unit/transformer | Power supply unit regulating |
| Control interface             | Analog                       |
| 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 |
| Maximum dim level                  | 10%   |

Product Data

|                                 |                                          |
|---------------------------------|------------------------------------------|
| Order product name              | BGP340 LED110--3S/740 PSR II DM DDF2 48/ |
| Full product name               | BGP340 LED110--3S/740 PSR II DM DDF2 48/ |
| Full product code               | 871829106386500                          |
| Order code                      | 06386500                                 |
| Material Nr. (12NC)             | 910925438586                             |
| Numerator - Quantity Per Pack   | 1                                        |
| EAN/UPC - Product/Case          | 8718291063865                            |
| Numerator - Packs per outer box | 1                                        |
| EAN/UPC - Case                  | 8718291063865                            |

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Dimensional drawing

