



# **SpeedStar**

### BGP322 GRN59--3S/740 I DW FG AL SI

SpeedStar Medium, LED GreenLine 5900 lm, Distribution wide, Flat glass

Municipalities are under pressure to meet energy conservation goals by reducing their energy consumption and carbon footprint while complying with lighting norms and standards. Our SpeedStar LED luminaire addresses these fundamental issues and provides a solution to reduce the impact on our environment. SpeedStar is an energy-efficient luminaire requiring minimal maintenance and incorporating the easy-to-upgrade LEDGINE, which can be connected to lighting regulation systems for further energy savings. This carbon-neutral luminaire is the ideal solution for functional road and street lighting.

#### **Product data**

| General Information      |   |
|--------------------------|---|
| Lamp family code         | GRN59 [LED GreenLine 5900 lm]                   |
| Light source replaceable | Yes   |
| Number of gear units     | 1 unit  |
| Driver included          | Yes   |
| Photocell                | -   |
| 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.            |
| Light source engine type | LED   |
| Product family code      | BGP322 [SpeedStar Medium]                       |
| Lighting Technology      | LED   |

| Embedded control                   | -                                |
|------------------------------------|----------------------------------|
| CE mark                            | Yes                              |
| Warranty period                    | 5 years                          |
| Flammability mark                  | -                                |
| ENEC mark                          | ENEC mark                        |
| Glow-wire test                     | Temperature 650 °C, duration 5 s |
| EU RoHS compliant                  | Yes                              |
|                                    |                                  |
| Light Technical                    |                                  |
| Upward light output ratio          | 0.03                             |
| Luminous Flux                      | 6,200 lm                         |
| Standard tilt angle posttop        | 5°                               |
| Standard tilt angle side entry     | O°                               |
| Correlated Color Temperature (Nom) | 4000 K                           |
| Luminous Efficacy (rated) (Nom)    | 135 lm/W                         |
|                                    |                                  |

Datasheet, 2023, September 4 data subject to change

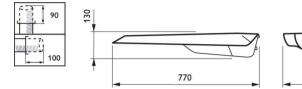
## **SpeedStar**

| Color rendering index (CRI)                         | 70   |
|---|--|
| Number of light sources                             | 48   |
| Light source color                                  | 740 neutral white  |
| Optical cover type                                  | Flat glass   |
| Luminaire light beam spread                         | 180°   |
| Optic type outdoor                                  | Distribution wide  |
|   |  |
| Operating and Electrical                            |  |
| Input Voltage                                       | 220 to 240 V   |
| Line Frequency                                      | 50 to 60 Hz  |
| Inrush current                                      | 46 A   |
| Inrush time   | 0.25 ms  |
| Power Consumption                                   | 46 W   |
| Power Factor (Fraction)                             | 0.8  |
| Connection  | -  |
| Cable   | -  |
| Number of products on MCB of 16 A type              | 7  |
| В   |  |
|   |  |
| Temperature   |  |
| Ambient temperature range                           | -20 to +50 °C  |
|   |  |
| Controls and Dimming                                |  |
| Dimmable  | No   |
| Driver/power unit/transformer                       | Power supply unit regulating                                   |
| Control interface                                   | -  |
| Constant light output                               | No   |
|   |  |
| Mechanical and Housing                              |  |
| Housing Material                                    | Aluminum   |
| Reflector material                                  | -  |
| Optic material                                      | Polycarbonate  |
| Optical cover material                              |  |
|   | Glass  |
| Fixation material                                   | Glass<br>Aluminum  |
| Fixation material  Housing Color                    |  |
|   | Aluminum   |
| Housing Color                                       | Aluminum<br>Silver   |
| Housing Color  Mounting device                      | Aluminum Silver Universal for diameter 42 to 76 mm             |
| Housing Color  Mounting device  Optical cover shape | Aluminum Silver Universal for diameter 42 to 76 mm Convex lens |

| Overall height                             | 129 mm                                       |
|--|--|
| Effective projected area                   | 0.034 m²                                     |
| Dimensions (Height x Width x Depth)        | 129 x 394 x 768 mm                           |
| Parts color                                | All parts colored                            |
|  |  |
| 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)     | Luminaire surge protection level until 6 kV  |
|  | differential mode and 6 kV common mode       |
| Protection class IEC                       | Safety class I                               |
|  |  |
| 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 Compli          | iant)  |
| Control gear failure rate at median useful | 10 %   |
| life 100000 h                              |  |
| Lumen maintenance at median useful         | L80  |
| life* 100000 h                             |  |
|  |  |
| Application Conditions                     |  |
| Performance ambient temperature Tq         | 25 °C  |
| Maximum dim level                          | Not applicable                               |
|  |  |
| Product Data                               |  |
| Order product name                         | BGP322 GRN593S/740 I DW FG AL SI             |
| Full product name                          | BGP322 GRN593S/740 I DW FG AL SI             |
| Full product code                          | 871829134506000                              |
| Order code                                 | 910505016385                                 |
| Material Nr. (12NC)                        | 910505016385                                 |
| Numerator - Quantity Per Pack              | 1  |
| EAN/UPC - Product/Case                     | 8718291345060                                |
| Numerator - Packs per outer box            | 1  |
|  |  |
| EAN/UPC - Case                             | 8718291345060                                |

#### **SpeedStar**

#### Dimensional drawing



394

