



Stela+ gen2 Long, Square & Wide

BPP616 1250/NW PSU SRN CLO 76P L16

STELA-LONG GEN2, Power supply unit (On/Off), Standard road optic for S-class, Constant light output, Post-top for diameter 76 mm

In 2008 the arrival of the Stela family heralded a revolution in street lighting. In Stela + gen2 we are now presenting the next generation of LEDs and introducing programmable drivers. The REVOLED cooling and light distribution concept enables tremendous energy savings and a corresponding reduction in CO2 emissions, whilst meeting current lighting standards. Excellent thermal management of the LEDs ensures a very long lifetime, eliminating the need for lamp replacement. Higher flux per LED, flux tuning (using L-Tune) and the option of employing Constant Light Output (CLO) make it possible either to reduce the number of LEDs needed (lower cost per light point) or, when using the same number of LEDs as before, to reduce the power consumption (lower Total Cost of Ownership).

Product data

| General Information | | | |
|--------------------------|---|--------------------------|---|
| Lamp family code | XP-G [LED XP-G] | | B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Light source replaceable | No | Light source engine type | LED |
| Number of gear units | 1 unit | Product family code | BPP616 [STELA-LONG GEN2] |
| Driver included | Yes | Lighting Technology | LED |
| 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 | Value ladder | Performance |
| | | Embedded control | Constant light output |
| | | CE mark | Yes |
| | | Warranty period | 5 years |
| | | Flammability mark | - |

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|-------------------|-----|
| ENEC mark | - |
| EU RoHS compliant | Yes |

Light Technical

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|------------------------------------|------------------------------------|
| Upward light output ratio | 0.5 |
| Luminous Flux | 1,125 lm |
| Standard tilt angle posttop | 10° |
| Standard tilt angle side entry | - |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 113 lm/W |
| Color rendering index (CRI) | ≥70 |
| Number of light sources | 10 |
| Light source color | Neutral white |
| Optical cover type | Polymethyl methacrylate bowl/cover |
| Luminaire light beam spread | 105° x 153° |
| Optic type outdoor | Standard road optic for S-class |

Operating and Electrical

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|--|--------------------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | 10 W |
| Average CLO power consumption | 10 W |
| End CLO power consumption | 10 W |
| Inrush current | 65 A |
| Inrush time | 100 ms |
| Power Consumption | 10 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Screw connection with pug and socket |
| Cable | - |
| Number of products on MCB of 16 A type B 1 | |

Temperature

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|---------------------------|---------------|
| Ambient temperature range | -40 to +50 °C |
|---------------------------|---------------|

Controls and Dimming

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

Mechanical and Housing

| | |
|------------------------|-------------------------|
| Housing Material | Aluminum |
| Reflector material | - |
| Optic material | Glass |
| Optical cover material | Polymethyl methacrylate |
| Fixation material | Aluminum |
| Housing Color | Grey |

| | |
|-------------------------------------|-----------------------------|
| Mounting device | Post-top for diameter 76 mm |
| Optical cover shape | Curved |
| Optical cover finish | Clear |
| Overall length | 590 mm |
| Overall width | 265 mm |
| Overall height | 220 mm |
| Effective projected area | 0.05 m² |
| Dimensions (Height x Width x Depth) | 220 x 265 x 590 mm |

Approval and Application

| | |
|--|--|
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK10 [20 J vandal-resistant] |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 6 kV differential mode and 6 kV common mode |
| Protection class IEC | Safety class I |
| Photobiological risk | Photobiological risk group 1 @200mm to EN62778 |

Initial Performance (IEC Compliant)

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|---------------------------------------|------------------------|
| Luminous flux tolerance | +/-5% |
| Initial chromaticity | (0.330, 0.340) SDCM <7 |
| Power consumption tolerance | +/-5% |
| Init. Color Rendering Index Tolerance | +/-2 |

Over Time Performance (IEC Compliant)

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|--|------|
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 100000 h | L100 |

Application Conditions

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

Product Data

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|---------------------------------|------------------------------------|
| Order product name | BPP616 1250/NW PSU SRN CLO 76P L16 |
| Full product name | BPP616 1250/NW PSU SRN CLO 76P L16 |
| Full product code | 871794322818800 |
| Order code | 912300025935 |
| Material Nr. (12NC) | 912300025935 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8717943228188 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8717943228188 |

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Dimensional drawing

