



# CitySoul gen2 LED Large

**BPP531 GRN85-/740 I DM FG CO GR D9**

CitySoul gen2 Large, LED GreenLine 8500 lm, Distribution medium, Flat glass

CitySoul gen2 LED is one of the most versatile and inspirational urban street lighting families designed by Philips to date. This highly efficient range delivers excellent lighting levels whilst also providing the right ambiance for all urban application areas, from the outskirts of the city right through to the city center. By evolving the modularity of the CitySoul family and adding new innovations like the Lyre and the Accent bracket, Philips has made this range the ideal toolbox for every urban context. The design is flatter, completely round, and the transitions with the spigot and bracket entirely flush, thereby giving your cityscape a coherent, elegant and discreet identity. Designed around its LED engine, CitySoul gen2 LED is highly efficient and easy to maintain. It comes in two sizes and is suitable for side-entry, post-top, catenary and suspended mounting.

## Product data

| General Information      |  |
|--------------------------|--|
| Lamp family code         | GRN85 [LED GreenLine 8500 lm]  |
| Light source replaceable | Yes  |
| Number of gear units     | Unit   |
| Driver included          | Yes  |
| Remarks                  | * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Light source engine type | LED  |
| Product family code      | BPP531 [CitySoul gen2 Large]   |

|                     |                                   |
|---------------------|-----------------------------------|
| Lighting Technology | LED                               |
| Value ladder        | Performance                       |
| Embedded control    | -                                 |
| CE mark             | Yes                               |
| Warranty period     | 5 years                           |
| Flammability mark   | -                                 |
| ENEC mark           | ENEC mark                         |
| Glow-wire test      | Temperature 650 °C, duration 30 s |
| EU RoHS compliant   | Yes                               |

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| Light Technical                  |                     |
|----------------------------------|---------------------|
| Upwards light output ratio       | 0.03                |
| Luminous Flux                    | 7,057 lm            |
| Standard tilt angle post-top     | 0°                  |
| Standard tilt angle side entry   | 0°                  |
| Correlated Colour Temperature    | 4000 K              |
| Luminous efficacy (rated) (nom.) | 124 lm/W            |
| Colour rendering index (CRI)     | >70                 |
| Light source colour              | 740 neutral white   |
| Optical cover type               | Flat glass          |
| Luminaire light beam spread      | 180°                |
| Optic type outdoor               | Distribution medium |

| 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                           | 57 W         |
| Power Factor (Fraction)                     | 0.8          |
| Connection                                  | -            |
| Cable                                       | -            |
| Number of products on MCB of 16 A type B 13 |              |

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

| Controls and Dimming          |                                       |
|-------------------------------|---------------------------------------|
| Dimmable                      | Yes                                   |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface             | DALI                                  |
| Constant light output         | No                                    |

| Mechanical and Housing      |                                 |
|-----------------------------|---------------------------------|
| Housing material            | Aluminium                       |
| Reflector material          | -                               |
| Optic material              | Polymethyl methacrylate         |
| Optical cover/lens material | Polymethyl methacrylate         |
| Fixation material           | Aluminium                       |
| Housing Colour              | Grey                            |
| Mounting device             | Spigot for diameter 60 to 76 mm |
| Optical cover/lens shape    | Convex lens                     |

|                                     |                      |
|-------------------------------------|----------------------|
| Optical cover/lens finish           | Mask (anti-glare)    |
| Overall length                      | 720 mm               |
| Overall width                       | 628 mm               |
| Overall height                      | 99 mm                |
| Effective projected area            | 0.028 m <sup>2</sup> |
| Dimensions (height x width x depth) | 99 x 628 x 720 mm    |
| Parts colour                        | Cover painted        |

| 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 up to 6 kV differential mode and 8 kV common mode |
| Protection class IEC                   | Safety class I   |
| Photobiological risk                   | Photobiological risk group 1 @200mm to EN62778                                     |

| Initial Performance (IEC Compliant)   |                    |
|---------------------------------------|--------------------|
| Luminous flux tolerance               | +/-10%             |
| Initial chromaticity                  | (0.38,0.37) SDCM<5 |
| Power consumption tolerance           | +/-10%             |
| Init. Color Rendering Index Tolerance | +/-2               |

| Over Time Performance (IEC Compliant) |        |
|---------------------------------------|--------|
| Driver failure rate at 5,000 hours    | 0.15 % |

| Application Conditions |     |
|------------------------|-----|
| Maximum dim level      | 20% |

| Product Data                      |                                    |
|-----------------------------------|------------------------------------|
| Order product name                | BPP531 GRN85-/740 I DM FG CO GR D9 |
| Full product name                 | BPP531 GRN85-/740 I DM FG CO GR D9 |
| Full EOC                          | 871869661330600                    |
| Order code                        | 61330600                           |
| Material no. (12 NC)              | 910505016870                       |
| SAP numerator – quantity per pack | 1                                  |
| EAN/UPC – Product/Case            | 8718696613306                      |
| Numerator – packs per outer box   | 1                                  |
| EAN/UPC – Case                    | 8718696613306                      |

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## Dimensional drawing

