

# Metronomis LED Fluid

## BDS670 GRN80-3S/740 PSR I MDW D9 76

Metronomis LED, LED GreenLine 8000 lm, Power supply unit with DALI interface, Metronomis distribution wide, Spigot for diameter 76 mm

Philips Metronomis LED is the first post-top luminaire range in the world to offer a palette of lighting effects to give projects a unique contextual or aesthetic touch. An innovative play of reflection, light and shadow that casts a pattern on the ground, or in the bowl, to create additional ambience. Four iconic designs are available: Metronomis LED Torch (BDS650), Metronomis LED Torch with hat (BDS651), Metronomis LED Sharp (BDS660), and Metronomis LED Fluid (BDS670). Each luminaire design has a visual and modular link to Metronomis I, reduced to its essential elements. During the day, the discreet, transparent design blends into its urban context, whether that be contemporary or classical architecture and surroundings, while its night-time appearance is both functional and decorative. Flexible and modular, the Metronomis LED family comes with a range of columns and a wide variety of effects. This enables architects and lighting designers to create a unified, consistent lighting design across any cityscape, while still reflecting the differences in urban culture and history. Metronomis LED also offers all the benefits of LEDGINE. Energy saving, serviceable and upgradable, this luminaire range is designed to maintain excellent light quality over its lifetime.

### Product data

| General Information | |
|---|---|
| **Lamp family code** | GRN80 [LED GreenLine 8000 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 |

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| | |
|---|---|
| | B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| **Light source engine type** | LED |
| **Product family code** | BDS670 [Metronomis LED] |
| **Lighting Technology** | LED |
| **Value ladder** | Specification |
| **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

| | |
|---|---|
| **Standard deviation color matching** | 5 |
| **Upward light output ratio** | 5 |
| **Luminous Flux** | 7,162 lm |
| **Standard tilt angle posttop** | - |
| **Standard tilt angle side entry** | - |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 101 lm/W |
| **Color rendering index (CRI)** | >70 |
| **Number of light sources** | 1 |
| **Light source color** | 740 neutral white |
| **Optical cover type** | Polycarbonate bowl/cover |
| **Luminaire light beam spread** | 48° x 66° |
| **Optic type outdoor** | Metronomis distribution wide |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 53 A |
| **Inrush time** | 0.3 ms |
| **Power Consumption** | 55 W |
| **Power Factor (Fraction)** | 0.96 |
| **Connection** | Screw connector |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 8 |

## 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** | Aluminum |
| **Reflector material** | Polycarbonate |
| **Optic material** | Polycarbonate |
| **Optical cover material** | Polycarbonate |
| **Fixation material** | Aluminum |
| **Housing Color** | Grey |
| **Mounting device** | Spigot for diameter 76 mm |
| **Optical cover shape** | - |
| **Optical cover finish** | - |
| **Overall height** | 990 mm |
| **Overall diameter** | 560 mm |
| **Effective projected area** | 0.4396 m² |

## 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)** | Philips standard surge protection level |
| **Protection class IEC** | Safety class I |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-7% |
| **Initial chromaticity** | (0.380, 0.380) SDCM <5 |
| **Power consumption tolerance** | +/-10% |
| **Init. Color Rendering Index Tolerance** | +/-2 |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 100000 h** | 10 % |
| **Lumen maintenance at median useful life* 100000 h** | L80 |

## Application Conditions

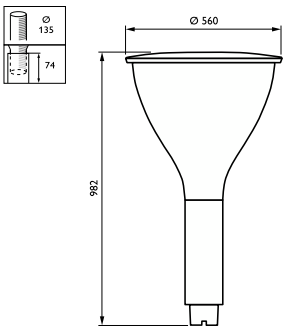
| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | 0% (digital) |

## Product Data

| | |
|---|---|
| **Order product name** | BDS670 GRN80-3S/740 PSR I MDW D9 76 |
| **Full product name** | BDS670 GRN80-3S/740 PSR I MDW D9 76 |
| **Full product code** | 871829188486600 |
| **Order code** | 910925437958 |
| **Material Nr. (12NC)** | 910925437958 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718291884866 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718291884866 |

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## Dimensional drawing




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