



# Metronomis LED Fluid

## BDS670 GRN80-3S/740 PSR I MDM D9 60

Metronomis LED - LED GreenLine 8000 lm - LED - 2nd generation, screw fixation - 740 neutral white - Power supply unit with DALI interface - 220 to 240 V - 50 to 60 Hz - Safety class I (I) - Metronomis distribution medium - - - Polycarbonate bowl/cover - Gray - - - - Dimming via external communication DALI - - - Philips standard surge protection level kV - - - Spigot for diameter 60 mm

Metronomis LED is the first post-top range in the world to offer a palette of environmental lighting effects to give projects a unique contextual or aesthetic touch. An innovative play of reflection, light and shadow creates an environmental pattern on the ground or on the bowl to create additional ambience. Four new iconic designs – with a visual and modular link to Metronomis I – are reduced to the essential elements. During the day, the discreet, transparent design blends into its context, be it contemporary or classical, while its night-time appearance is both functional and decorative. The flexible, modular Metronomis LED comes with a range of columns and a wide variety of optics and effects, enabling architects and lighting designers to create a unified, consistent lighting design that still reflects the differences in urban culture and history.

### Product data

| General information      |                                      | Driver/power unit/transformer |  |
|--------------------------|--------------------------------------|-------------------------------|--|
| Lamp family code         | GRN80 [ LED GreenLine 8000 lm]       | Driver included               | PSD [ Power supply unit with DALI interface] |
| Lamp version             | 2S [ 2nd generation, screw fixation] | Optical element               | Yes  |
| Light source colour      | 740 neutral white                    | Optical cover/lens type       | No [ -]                                      |
| Light source replaceable | Yes                                  | Luminaire light beam spread   | PC [ Polycarbonate bowl/cover]               |
| Number of gear units     | 1 unit                               | Embedded control              | 48° x 66°                                    |
|                          |                                      |                               | No [ -]                                      |

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|                           |   |
|---------------------------|---|
| Control interface         | DALI  |
| Light regulation          | Dimming via external communication DALI   |
| Connection                | SCREW [ Screw connector]  |
| Cable                     | -   |
| Protection class IEC      | Safety class I (I)  |
| Coating                   | -   |
| Flammability mark         | NO [-]  |
| CE mark                   | CE mark   |
| ENEC mark                 | ENEC mark   |
| Warranty period           | 5 years   |
| Outdoor optic type        | Metronomis distribution medium  |
| Photocell                 | No [-]  |
| 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. * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Constant light output     | No  |
| Number of products on MCB | 8   |
| RoHS mark                 | RoHS mark   |
| LED engine type           | LED   |
| Product Family Code       | BDS670 [ Metronomis LED]  |

## Light Technical

|                                |   |
|--------------------------------|---|
| Upward light output ratio      | 5 |
| Standard tilt angle post-top   | - |
| Standard tilt angle side entry | - |

## Operating and Electrical

|                     |              |
|---------------------|--------------|
| Input voltage       | 220 to 240 V |
| Input frequency     | 50 to 60 Hz  |
| Inrush current      | 53 A         |
| Inrush time         | 0.3 ms       |
| Power factor (min.) | 0.96         |

## Controls and Dimming

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

## Mechanical and Housing

|                             |               |
|-----------------------------|---------------|
| Housing material            | Aluminum      |
| Reflector material          | Polycarbonate |
| Optic material              | Polycarbonate |
| Optical cover/lens material | Polycarbonate |

|                           |                                 |
|---------------------------|---------------------------------|
| Fixation material         | Aluminum                        |
| Mounting device           | 60 [ Spigot for diameter 60 mm] |
| Optical cover/lens shape  | -                               |
| Optical cover/lens finish | -                               |
| Overall height            | 990 mm                          |
| Overall diameter          | 560 mm                          |
| Effective projected area  | 0.4396 m <sup>2</sup>           |
| Colour                    | Gray                            |

## 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 kV    |

## Initial Performance (IEC Compliant)

|                                |                        |
|--------------------------------|------------------------|
| Initial luminous flux          | 8554 lm                |
| Luminous flux tolerance        | +/-7%                  |
| Initial LED luminaire efficacy | 166 lm/W               |
| Init. Corr. colour temperature | 4000 K                 |
| Init. colour rendering index   | >70                    |
| Initial chromaticity           | (0.380, 0.380) SDCM <5 |
| Initial input power            | 55 W                   |
| Power consumption tolerance    | +/-11%                 |

## 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

|                                    |               |
|------------------------------------|---------------|
| Ambient temperature range          | -40 to +50 °C |
| Performance ambient temperature Tq | 25 °C         |
| Maximum dimming level              | 0% (digital)  |

## Product Data

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Full product code               | 871869634759100                     |
| Order product name              | BDS670 GRN80-3S/740 PSR I MDM D9 60 |
| EAN/UPC – product               | 8718696347591                       |
| Order code                      | 34759100                            |
| Numerator – quantity per pack   | 1                                   |
| Numerator – packs per outer box | 1                                   |
| Material no. (12NC)             | 910925863348                        |
| Net weight (piece)              | 16.610 kg                           |

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