



Metronomis LED Fluid, Urban road & street light, 46.5 W, 6800 lm, 4000 K, CRI70, DALI, Metronomis distribution medium, Safety class I, IP66, SRGU10

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.

General Information

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|--------------------------|--|
| Lamp family code | LED80 [LED module 8000 lm] |
| Light source replaceable | Yes |
| Number of gear units | Unit |
| Driver included | Yes |
| Light source engine type | LED |
| Service Tag | Yes |
| Lighting Technology | LED |
| Value ladder | Specification |
| Serviceability class | Class A, the luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge-protection device, optics, front cover and mechanical parts |
| Warranty period | 5 years |
| Sustainability rating | Unclassified |

Light Technical

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|-------------------------------------|--------------------------------|
| Upwards light output ratio | 4.92 |
| Luminous Flux | 6,800 lm |
| Correlated Colour Temperature (Nom) | 4000 K |
| Luminous efficacy (rated) (nom.) | 146 lm/W |
| Colour rendering index (CRI) | 70 |
| Light source colour | 740 neutral white |
| Luminaire light beam spread | 48° x 66° |
| Optic type outdoor | Metronomis distribution medium |
| Effective projected area | 0.4396 m ² |

Operating and Electrical

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|---|------------------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 53 A |
| Inrush time | 0.3 ms |
| Power Consumption | 46.5 W |
| Power Factor (Fraction) | 0.97 |
| Connection | Screw connector |
| Cable | - |
| Number of products on MCB (16 A type B) | 8 |
| Protection class IEC | Safety class I |
| Surge Protection (Common/Differential) | Surge protection level up to 10 kV |

Controls and Dimming

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|-------------------------------|---------------------------------------|
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface | DALI |
| Constant light output | No |
| DALI standard | DALI-2™ |
| Maximum dim level | Programmable |

Mechanical and Housing

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|-----------------------------|---------------|
| Housing material | Aluminium |
| Reflector material | Polycarbonate |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Aluminium |
| Housing Colour | Grey |

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|--------------------------------|--|
| Mounting device | Spigot for diameter 60 mm |
| Optical cover/lens shape | - |
| Optical cover/lens finish | - |
| Overall height | 990 mm |
| Overall diameter | 560 mm |
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK10 [20 J vandal-resistant] |
| Standard tilt angle post-top | - |
| Standard tilt angle side entry | - |
| Optical cover type | Polycarbonate bowl/cover |
| Net Weight (Piece) | 16.610 kg |

Approval and Application

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| Flammability mark | - |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 °C |
| Remarks | * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Ambient temperature range | -40 to +50 °C |

Initial Performance (IEC Compliant)

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| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.3818, 0.3796) SDCM <5 |
| Power consumption tolerance | +/-10% |
| Init. Colour Rendering Index Tolerance | +/-2 |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤5 |

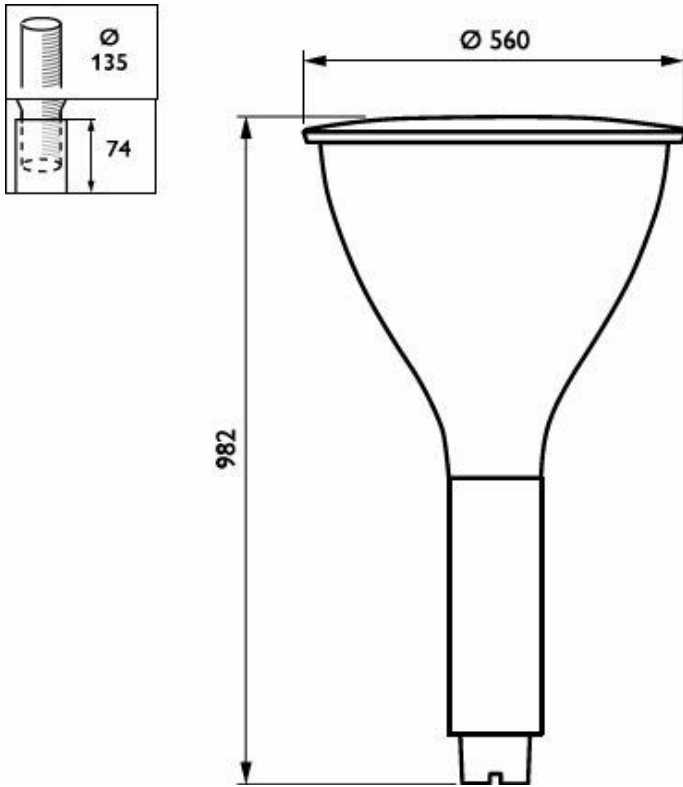
Over Time Performance (IEC Compliant)

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|--|------|
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Control gear failure rate at median useful life 100,000 h | 10 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L99 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L97 |

Product Data

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|---------------------------------|-------------------------------------|
| Order product name | BDS670 LED80-4S/740 I MDM D9 STD 60 |
| Full product name | BDS670 LED80-4S/740 I MDM D9 STD 60 |
| Full EOC | 871951419982800 |
| Order code | 910925868187 |
| Material no. (12 NC) | 910925868187 |
| Numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8719514199828 |
| Numerator – packs per outer box | 1 |
| EAN/UPC – Case | 8719514199828 |
| Product family code | BDS670 [METRONOMIS LED CONE FLUID] |

Dimensional drawing



Polar normal diagrams

