



RoadCharm

BRP472 LED 231/NW 179W 220-240V DME

Developed with the aim to become your long term partner ,the system ready architecture of RoadCharm enables you to enjoy the benefits of connected lighting systems today and also gets the city ready for the innovations to come. ;It is designed to achieve better light uniformity and maximum spacing between poles for both pedestrian and vehicle road applications. With its die-cast aluminium housing and Philips LED platform, it is easy to maintain, has a long lifetime and a consistency you can count on. It also offers 2 housing sizes and a range of beam optics to fully cater to different road configurations and conditions. ;RoadCharm offers 50% energy savings compared to conventional lamp systems, making it the perfect sustainable lighting solution for any emerging metropolis.

Product data

| General Information | | | |
|--------------------------|---|--|-------------------|
| Lamp colour code | 740 neutral white | control units, surge-protection device, front cover and mechanical parts | |
| Light source replaceable | No | | |
| Driver included | Yes | | |
| Optical cover/lens type | PC-MLO [Polycarbonate micro lens optic] | | |
| Control interface | - | | |
| Connection | Mains outlet socket | | |
| Cable | - | | |
| Protection class IEC | Safety class I (I) | | |
| Flammability mark | F [For mounting on normally flammable surfaces] | | |
| CE mark | CE mark | | |
| ENEC mark | - | | |
| Constant light output | No | | |
| LED engine type | LED | | |
| Serviceability class | Class B, the luminaire is equipped with some serviceable parts (when applicable): driver, | | |
| | | | |
| | | Light Technical | |
| | | Standard tilt angle post-top | - |
| | | Operating and Electrical | |
| | | Input Voltage | 220 to 240 V |
| | | Input frequency | 50 or 60 Hz |
| | | Power factor (min.) | 0.9 |
| | | Controls and Dimming | |
| | | Dimmable | No |
| | | Mechanical and Housing | |
| | | Housing material | Aluminum die-cast |
| | | Optic material | Polycarbonate |

RoadCharm

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|-----------------------------|--|
| Optical cover/lens material | Polycarbonate |
| Mounting device | 48/60S [Side-entry for diameter 48-60 mm] |
| Optical cover/lens shape | Ball, globular |
| Optical cover/lens finish | Clear |
| Overall length | 1012 mm |
| Overall width | 364 mm |
| Overall height | 115 mm |
| Effective projected area | 0.32 m ² |
| Colour | Grey |

Approval and Application

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|--|--|
| 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 15 kV differential mode and 15 kV common mode |

Initial Performance (IEC Compliant)

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|-------------------------------------|----------|
| Initial luminous flux (system flux) | 23100 lm |
| Luminous flux tolerance | +/-10% |
| Initial LED luminaire efficacy | 130 lm/W |

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|-----------------------------|-----------------------|
| Lamp colour temperature | 4000 K |
| Colour Rendering Index | >70 |
| Initial chromaticity | (0.38, 0.38) SDCM < 5 |
| Initial input power | 179 W |
| Power consumption tolerance | +/-10% |

Application Conditions

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

Product Data

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|-----------------------------------|-------------------------------------|
| Full product code | 911401661505 |
| Order product name | BRP472 LED 231/NW 179W 220-240V DME |
| Order code | 911401661505 |
| SAP numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 1 |
| Material no. (12 NC) | 911401661505 |
| SAP net weight (piece) | 13.799 kg |



Dimensional drawing



BRP47x/BRP49x

