



CityCharm Cone

BDS491 LED20/722 PSU II DM GRB GR H07 60

CityCharm Cone, Urban road & street light, 17.2 W, 1600 lm, 2200 K, CRI70, Distribution medium, Safety class II, IP66

The Philips CityCharm range is designed for use in urban areas where comfortable lighting, ambience, and design play an important role. It offers three iconic, timeless designs: CityCharm cordoba (BDS490), CityCharm cone (BDS491), and CityCharm fluid (BDS492) along with a range of decorative and practical accessories. This enables you to create a lighting solution that carries the signature of your municipality, both by day and by night. Whether you specify cordoba, cone or fluid LED lights, CityCharm provides high visual comfort while maintaining excellent performance. It offers a choice of two innovative Philips Lighting technologies: GentleBeam, which maximizes visual comfort, or ClearGuide (cordoba or cone), which optimizes vertical illumination and visual guidance. To personalize your CityCharm lighting solution further, decorative accessories for this range make it possible to define the volume of the bowl and change its appearance. A variety of dedicated brackets and masts are also available to enable you to reshape your residential areas and city centers in the most elegant way imaginable.

Product data

| General Information | |
|--------------------------|----------------------------|
| Lamp family code | LED20 [LED Module 2000 lm] |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Light source engine type | LED |
| Service tag | Yes |
| Lighting Technology | LED |
| Value ladder | Performance |

| Serviceability class | Class A, 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 | Lighting for circularity |
| Light Technical | |
| Upward light output ratio | 0.0261 |

CityCharm Cone

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|------------------------------------|---------------------|
| Luminous Flux | 1,600 lm |
| Correlated Color Temperature (Nom) | 2200 K |
| Luminous Efficacy (rated) (Nom) | 93 lm/W |
| Color rendering index (CRI) | 70 |
| Light source color | 722 warm white |
| Luminaire light beam spread | 360° |
| Optic type outdoor | Distribution medium |
| Effective projected area | 0.1155 m² |

Operating and Electrical

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|--|--|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 21 A |
| Inrush time | 0.225 ms |
| Power Consumption | 17.2 W |
| Power Factor (Fraction) | 0.95 |
| Connection | Flying leads/wires |
| Cable | Cable 0.2 m without plug |
| Number of products on MCB of 16 A type B | 26 |
| Protection class IEC | Safety class II |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 6 kV differential mode and 8 kV common mode |

Controls and Dimming

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|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |
| Constant light output | No |
| Maximum dim level | Not applicable |

Mechanical and Housing

| | |
|------------------------------|--|
| Housing Material | Aluminum |
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | Aluminum |
| Housing Color | Gray |
| Mounting device | Spigot for diameter 60 mm |
| Optical cover shape | Hemispherical |
| Optical cover finish | Clear |
| Overall height | 530 mm |
| Overall diameter | 555 mm |
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK10 [20 J vandal-resistant] |
| Standard tilt angle posttop | 0° |

| | |
|--------------------------------|--------------------------|
| Standard tilt angle side entry | 0° |
| Optical cover type | Polycarbonate bowl/cover |
| Net Weight (Piece) | 12.000 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 | +/-10% |
| Initial chromaticity | (0.5020, 0.4156) SDCM <5 |
| Power consumption tolerance | +/-10% |
| Init. Color 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 100000 h | 10 % |
| Lumen maintenance at median useful life* 100000 h | L98 |

Product Data

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|---------------------------------|--|
| Order product name | BDS491 LED20/722 PSU II DM GRB GR H07 60 |
| Full product name | BDS491 LED20/722 PSU II DM GRB GR H07 60 |
| Full product code | 871951420327300 |
| Order code | 912300024719 |
| Material Nr. (12NC) | 912300024719 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514203273 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8719514203273 |
| Product family code | BDS491 [CityCharm Cone] |

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Dimensional drawing

