



CityCharm Cordoba

BDS490 LED100-/740 I DM GRB DF-S GR CLO

CityCharm Cordoba, Urban road & street light, 58 W, 7546 lm, 4000 K, CRI70, Distribution medium, Safety class I, IP66, SRG10-10

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. 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 | | Service tag | Yes |
|--------------------------|------------------------------|----------------------|---|
| Lamp family code | LED100 [LED module 10000 lm] | Lighting Technology | LED |
| Light source replaceable | Yes | Value ladder | Performance |
| Number of gear units | 1 unit | Serviceability class | Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection |
| Driver included | Yes | | |
| Light source engine type | LED | | |

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|-----------------------|--|
| | device, optics, front cover and mechanical parts |
| Warranty period | 5 years |
| Sustainability rating | Lighting for circularity |

Light Technical

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| Upward light output ratio | 0.032 |
| Luminous Flux | 7,546 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 130 lm/W |
| Color rendering index (CRI) | 70 |
| Light source color | 740 neutral white |
| Luminaire light beam spread | 360° |
| Optic type outdoor | Distribution medium |
| Effective projected area | 0.1124 m² |

Operating and Electrical

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| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | 58 W |
| Average CLO power consumption | 59 W |
| End CLO power consumption | 60 W |
| Inrush current | 47 A |
| Inrush time | 0.25 ms |
| Power Consumption | 58 W |
| Power Factor (Fraction) | 0.99 |
| Connection | Flying leads/wires |
| Cable | Cable 0.2 m without plug |
| Number of products on MCB of 16 A type B | 10 |
| Protection class IEC | Safety class I |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 10 kV differential mode and 10 kV common mode |

Controls and Dimming

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|-------------------------------|---|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit regulating with constant light output |
| Control interface | - |
| Constant light output | Yes |
| Maximum dim level | Not applicable |
| Embedded control | Constant light output |

Mechanical and Housing

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|------------------------|---------------------------|
| 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 | (0.3818, 0.3796) 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 | L100 |

Product Data

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|---------------------------------|---|
| Order product name | BDS490 LED100-/740 I DM GRB DF-S GR CLO |
| Full product name | BDS490 LED100-/740 I DM GRB DF-S GR CLO |
| Full product code | 871951420191000 |
| Order code | 912300024683 |
| Material Nr. (12NC) | 912300024683 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514201910 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8719514201910 |
| Product family code | BDS490 [CityCharm Cordoba] |

CityCharm Cordoba

Dimensional drawing

