



CityCharm Cordoba

BDS490 GRN20-/740 I DM GRB DF-S GR CLO S

CityCharm Cordoba, LED GreenLine 2000 lm, Distribution medium, Constant light output

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 | | Remarks | * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
|--------------------------|-------------------------------|--------------------------|--|
| Lamp family code | GRN20 [LED GreenLine 2000 lm] | Light source engine type | LED |
| Light source replaceable | Yes | Product family code | BDS490 [CityCharm Cordoba] |
| Number of gear units | 1 unit | Lighting Technology | LED |
| Gear | EB [Electronic] | Value ladder | Performance |
| Driver included | Yes | Embedded control | Constant light output |

CityCharm Cordoba

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|-------------------|-----------------------------------|
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | - |
| ENEC mark | ENEC mark |
| Glow-wire test | Temperature 650 °C, duration 30 s |
| EU RoHS compliant | Yes |

Light Technical

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|------------------------------------|--------------------------|
| Upward light output ratio | 0.03 |
| Luminous Flux | 1,570 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 97 lm/W |
| Color rendering index (CRI) | ≥70 |
| Number of light sources | 8 |
| Light source color | 740 neutral white |
| Optical cover type | Polycarbonate bowl/cover |
| Luminaire light beam spread | 360° |
| Optic type outdoor | Distribution medium |

Operating and Electrical

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|---|--------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | 12.8 W |
| Average CLO power consumption | 14.4 W |
| End CLO power consumption | 16 W |
| Inrush current | 28 A |
| Inrush time | 15 ms |
| Power Consumption | 16 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Flying leads/wires |
| Cable | Cable 0.2 m without plug |
| Number of products on MCB of 16 A type B 32 | |

Temperature

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

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 |

Mechanical and Housing

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|------------------|----------|
| Housing Material | Aluminum |
|------------------|----------|

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|--------------------------|---------------------------|
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | Aluminum |
| Housing Color | Grey |
| Mounting device | Spigot for diameter 60 mm |
| Optical cover shape | Hemispherical |
| Optical cover finish | Clear |
| Overall height | 529 mm |
| Overall diameter | 556 mm |
| Effective projected area | 0.1124 m² |

Approval and Application

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| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK10 [20 J vandal-resistant] |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 10 kV differential mode and 10 kV common mode |
| Protection class IEC | Safety class I |
| Photobiological risk | Photobiological risk group 1 @200mm to EN62778 |

Initial Performance (IEC Compliant)

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|---------------------------------------|------------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.380, 0.370) SDCM <3 |
| Power consumption tolerance | +/-10% |
| Init. Color Rendering Index Tolerance | +/-2 |

Over Time Performance (IEC Compliant)

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|-------------------------------|--------|
| Driver failure rate at 5000 h | 0.05 % |
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Application Conditions

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| Maximum dim level | Not applicable |
|-------------------|----------------|

Product Data

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|---------------------------------|--|
| Order product name | BDS490 GRN20-/740 I DM GRB DF-S GR CLO S |
| Full product name | BDS490 GRN20-/740 I DM GRB DF-S GR CLO S |
| Full product code | 871869692141800 |
| Order code | 910505017157 |
| Material Nr. (12NC) | 910505017157 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696921418 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718696921418 |

CityCharm Cordoba

Dimensional drawing

