# CityCharm Cordoba

## BDS490 GRN80-/830 I S GRB GR 60

CityCharm Cordoba, LED GreenLine 8000 lm, Symmetrical, Spigot for diameter 60 mm

CityCharm Cordoba is designed for use in urban areas where comfortable lighting, ambiance and design play an important role. Its unobtrusive appearance makes it a timeless, future-proof luminaire that is ideal for residential areas, parks, footpaths and cycle lanes, where visual comfort and maximum efficiency are key. CityCharm offers a choice of two iconic designs (Cordoba and Cone) and various accessories, enabling you to create a lighting solution that carries your signature, both by day and by night. CityCharm luminaires are also available as a complete set, with a choice of dedicated poles and brackets.

### Product data

| General Information | |
|---|---|
| **Lamp family code** | GRN80 [LED GreenLine 8000 lm] |
| **Light source replaceable** | Yes |
| **Number of gear units** | 1 unit |
| **Gear** | EB [Electronic] |
| **Driver included** | Yes |
| **Remarks** | * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| **Light source engine type** | LED |
| **Service tag** | Yes |
| **Product family code** | BDS490 [CityCharm Cordoba] |
| **Lighting Technology** | LED |
| **Value ladder** | Performance |
| **Embedded control** | - |

| | |
|---|---|
| **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 | |
|---|---|
| **Upward light output ratio** | 0.03 |
| **Luminous Flux** | 6,112 lm |
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |
| **Correlated Color Temperature (Nom)** | 3000 K |
| **Luminous Efficacy (rated) (Nom)** | 102 lm/W |
| **Color rendering index (CRI)** | ≥80 |

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| | |
|---|---|
| **Number of light sources** | 40 |
| **Light source color** | 830 warm white |
| **Optical cover type** | Polycarbonate bowl/cover |
| **Luminaire light beam spread** | 360° |
| **Optic type outdoor** | Symmetrical |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 80 A |
| **Inrush time** | 15 ms |
| **Power Consumption** | 60 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** | 11 |

## Temperature

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

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | No |
| **Driver/power unit/transformer** | Power supply unit regulating |
| **Control interface** | - |
| **Constant light output** | No |

## Mechanical and Housing

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

| | |
|---|---|
| **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 6 kV differential mode and 8 kV common mode |
| **Protection class IEC** | Safety class I |
| **Photobiological risk** | Photobiological risk group 1 @200mm to EN62778 |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-10% |
| **Initial chromaticity** | (0.430, 0.400) SDCM <3 |
| **Power consumption tolerance** | +/-10% |
| **Init. Color Rendering Index Tolerance** | +/-2 |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Driver failure rate at 5000 h** | 0.05 % |

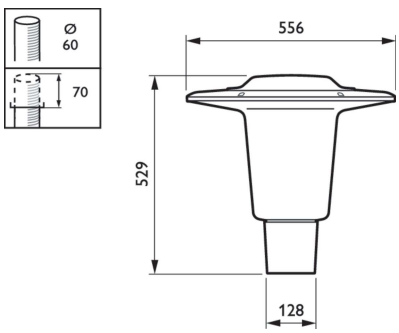
## Application Conditions

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

## Product Data

| | |
|---|---|
| **Order product name** | BDS490 GRN80-/830 I S GRB GR 60 |
| **Full product name** | BDS490 GRN80-/830 I S GRB GR 60 |
| **Full product code** | 871869692153100 |
| **Order code** | 92153100 |
| **Material Nr. (12NC)** | 910505017169 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718696921531 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718696921531 |

## Dimensional drawing



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2023, April 29 - data subject to change