CityCharm: combining visual comfort and performance

CityCharm Cone

The CityCharm range is designed for use in urban areas where comfortable lighting, ambiance and design play an important role. It offers two iconic, timeless 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 provides high visual comfort while maintaining excellent performance. It offers a choice of two innovative new Philips Lighting technologies: GentleBeam, which maximizes visual comfort, or ClearGuide, which optimizes vertical illumination and visual guidance. A variety of dedicated brackets and masts enables you to reshape your residential areas and city centers in the most elegant way imaginable. Further information about GentleBeam and ClearGuide technology can be found in the Product Guide.

Benefits

· Elegant, iconic range enhanced by dedicated poles and brackets to create distinctive styles
· Comfortable lighting with GentleBeam or ClearGuide technologies
· Multiple geometries for visual comfort in all urban spaces
· Excellent lighting performance, high-quality finishing
· Future-ready with Zhaga-D4i system ready (SR) top socket to connect with Interact controls
· Service tag for easy installation and maintenance

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Features

· Choice of luminaire shapes, color effects, poles and brackets
· Diffusing tools for visual comfort, colored inserts to enhance ambiance
· Wide range of lumen outputs and optics for maximum efficiency at all lighting
  levels
· Choice of color temperatures and color rendering for different ambiences: 2200K,
  2700K, 3000K and 4000K
· Efficacy up to 144 lm/W
· Cordoba and fluid versions available with ULR < 1%
· Lifetime up to 100,000 hours @L96 B10
· 5-year standard warranty (option to extend up to 10 years)
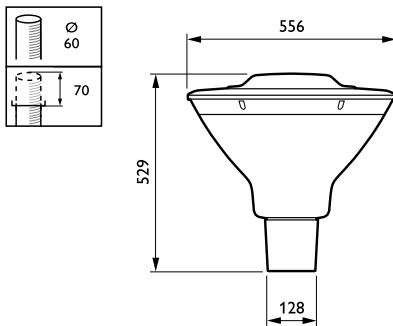
Application

· Residential
· Footpaths and cycle lanes
· Parks and boulevards

Versions

CityCharm Cone BDS491 with DF-S

Dimensional drawing

CityCharm Cone

General Information

Driver included	Yes
Light source replaceable	Yes
Number of gear units	1 unit
Service tag	Yes

Light Technical

Luminaire light beam spread	360°

Controls and Dimming

Dimmable	No
Maximum dim level	Not applicable

Mechanical and Housing

Optical cover type	Polycarbonate bowl/cover
Housing Color	Gray
Mech. impact protection code	IK10
Ingress protection code	IP66
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°

Approval and Application

CE mark	Yes
Flammability mark	–

Product Data

Product family code	BDS491

General Information

Order Code	Full Product Name	Lamp family code
912300024687	BDS491 LED70-/830 I S GRB GR 60	LED70
912300024693	BDS491 LED30-/830 II DM GRB GR 60	LED30
912300024719	BDS491 LED20/722 PSU II DM GRB GR H07 60	LED20
912300024684	BDS491 LED100-/740 I DM GRB DF-S GR CLO	LED100
912300024685	BDS491 LED10-/740 I DM GRB DF-S GR CLO S	LED10
912300024721	BDS491 LED40/730 PSU I DW DF-S GR H07 60	LED40

Light Technical (1/2)

Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
912300024687	BDS491 LED70-/830 I S GRB GR 60	830 warm white	3000 K	80	5,670 lm
912300024693	BDS491 LED30-/830 II DM GRB GR 60	830 warm white	3000 K	80	2,400 lm
912300024719	BDS491 LED20/722 PSU II DM GRB GR H07 60	722 warm white	2200 K	70	1,600 lm
912300024684	BDS491 LED100-/740 I DM GRB DF-S GR CLO	740 neutral white	4000 K	70	7,600 lm

Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
912300024685	BDS491 LED10-/740 I DM GRB DF-S GR CLO S	740 neutral white	4000 K	70	800 lm
912300024721	BDS491 LED40/730 PSU I DW DF-S GR H07 60	730 warm white	3000 K	70	3,200 lm

Light Technical (2/2)

CityCharm Cone

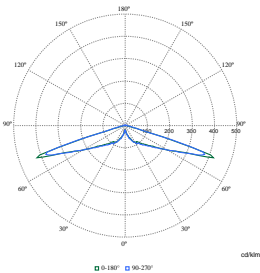| Order Code	Full Product Name	Optic type outdoor	Upward light output ratio
912300024687	BDS491 LED70–/830 I S GRB GR 60	Symmetrical	0.0136
912300024693	BDS491 LED30–/830 II DM GRB GR 60	Distribution medium	0.03
912300024719	BDS491 LED20/722 PSU II DM GRB GR H07 60	Distribution medium	0.0261
912300024684	BDS491 LED100–/740 I DM GRB DF–S GR CLO	Distribution medium	0.0351

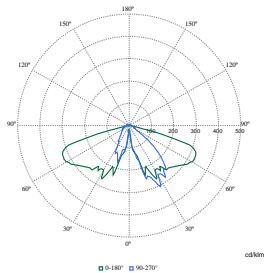| Order Code	Full Product Name	Optic type outdoor	Upward light output ratio
912300024685	BDS491 LED10–/740 I DM GRB DF–S GR CLO S	Distribution medium	0.0307
912300024721	BDS491 LED40/730 PSU I DW DF–S GR H07 60	Distribution wide	0.0322

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Surge Protection (Common/ Differential)
912300024687	BDS491 LED70–/830 I S GRB GR 60	53 W	Surge protection level until 6 kV differential mode and 8 kV common mode
912300024693	BDS491 LED30–/830 II DM GRB GR 60	23.5 W	Surge protection level until 6 kV differential mode and 8 kV common mode
912300024719	BDS491 LED20/722 PSU II DM GRB GR H07 60	17.2 W	Surge protection level until 6 kV differential mode and 8 kV common mode

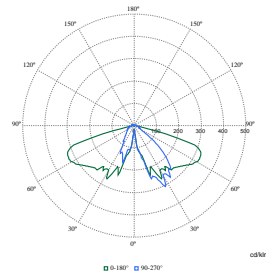| Order Code	Full Product Name	Power Consumption	Surge Protection (Common/ Differential)
912300024684	BDS491 LED100–/740 I DM GRB DF–S GR CLO	58 W	Surge protection level until 10 kV differential mode and 10 kV common mode
912300024685	BDS491 LED10–/740 I DM GRB DF–S GR CLO S	6.8 W	Surge protection level until 10 kV differential mode and 10 kV common mode
912300024721	BDS491 LED40/730 PSU I DW DF–S GR H07 60	26.5 W	Surge protection level until 6 kV differential mode and 8 kV common mode

Polar Wide Diagrams
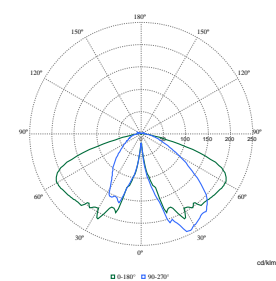

Polar Normal (separate) – BDS490I – 912300024687

Polar Normal (separate) – BDS490I – 912300024693

Polar Normal (separate) – BDS490I – 912300024719

Polar Wide Diagrams

Polar Normal (separate) – BDS490I –
912300024721

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2026, January 1 – data subject to change