



CitySoul gen2 LED – a versatile identity

CitySoul gen2 LED Large

CitySoul gen2 LED is one of the most versatile and inspirational urban street lighting families designed by Philips to date. This highly efficient range delivers excellent lighting levels whilst also providing the right ambiance for all urban application areas, from the outskirts of the city right through to the city center. By evolving the modularity of the CitySoul family and adding new innovations like the Lyre and the Accent bracket, Philips has made this range the ideal toolbox for every urban context. The design is flatter, completely round, and the transitions with the spigot and bracket entirely flush, thereby giving your cityscape a coherent, elegant and discreet identity. Designed around its LED engine, CitySoul gen2 LED is highly efficient and easy to maintain. It comes in two sizes and is suitable for side-entry, post-top, catenary and suspended mounting.

Benefits

- An integrated UrbanStyling lighting toolbox designed for many different urban applications
- Luminaires, brackets and poles are designed as one integrated concept to ensure coherence
- Future-proof thanks to excellent lighting performance and product quality

Features

- A broad range of elegant, dedicated and complete sets, including poles and brackets, a tiltable option, double post-top and catenary versions
- Various features to deliver the most efficient and comfortable lighting level
- Compatible with all Philips' standard and advanced lighting controls
- Easy maintenance on-site
- Compatible with existing CitySoul pole and bracket range Flip, Morph, Jump, Sweep

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Application

- City centers
- Parks and plazas
- Roads and streets
- Commercial districts

Specifications

Type	BPP531 (post top version) BRP531 (side entry version) BSP531 (catenary or suspended version) BVP531 (dedicated for Right Curve bracket) BGP531 (MBA CD; dedicated for Graphic and East bracket)
Light source	Integral LED-module
Power	GreenLine (GRN): 38-138 W depending on configuration
Luminous flux (system)	4250-13,000 lm (3000 K) 4600-14,800 lm (4000 K)
Luminaire efficacy (system)	Up to 110 lm/W
Correlated Color	3000 K, warm white
Temperature	4000 K, neutral white
Color Rendering Index	≥ 70, neutral white ≥ 80, warm white

Specifications

Options	Photocell: Minicell, 35, 55, 70 lux
Optic	Distribution medium (DM), wide (DW), wet road (DK), asymmetrical (A), symmetrical (S)
Optical cover	Hard glass, tempered Glass plate, frosted (optional) IK10 glass, tempered (optional)
Material	Housing: high-pressure die-cast aluminum, coated Gasket: silicone rubber, heat resistant Optics: plastic (PMMA) Cover: glass, thermally hardened
Color	Housing: Philips ultra-dark grey (close to RAL 7022, fine textured color) Frame: satin silver grey (close to RAL 9006) Other RAL and AKZO Futura colors available on request
Connection	Screw connection block Wieland push in connector possible (optional)
Maintenance	From below by opening the housing with 1 screws (Torx T20) Same screws to access the luminaire, driver and LED-board

Maintenance of lumen output - L80B10	100,000 hours
Operating temperature range	-20 to +35 °C
Driver	Built-in (self ballasted LED-module)
Mains voltage	210-240 V / 50-60 Hz
Inrush current	80 A / 150 µs (75 W driver) 108 A / 140 µs (150 W driver)
Dimming	DynaDimmer LumiStep CLO
Controls system input	DALI StarSense RF LightWave (GPRS)

Installation	BPP531: post-top mounting: Ø 60-76 mm BRP531: side-entry mounting: Ø 42-60 mm BSP531: catenary or suspended mounting with dedicated bracket Recommended mounting height: up to 14 m Adjustable tilt angle: possible with specific MBA or 76PA mounting spigot Max SCx - BRP/BPP531: 0.014 m2 - 2 x BGP531 + JRP532: 0.033 m2 - BGP531 + MBA SJ (tiltable side-entry bracket): 0.017 m2
Cable gland	M20
Accessories	JRP533 (lyre bracket) JRP534 (accent spigot) JRP532 (double post top spigot) JGP530 (east bracket) JRP531 (graphic bracket) JSP532 (right curve bracket) YHB530 (lyre dedicated pole)
Remarks	Lyre bracket version only available for CitySoul gen2 LED Mini family (BPP532) Pre-cabled possible for: - Wall mounted / suspended or catenary (C2K, 1.65 m cable) - Other configurations (C8K, 8 m cable, C10K, 10 m cable, C14K, 14 m cable)

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Versions



CitySoul gen2 large BPP531
pedestrian luminaire, pole
mounted version



CitySoul gen2 large BRP531
pedestrian luminaire, side entry
version



CitySoul gen2 Suspended Large -
LED GreenLine 6000 lm - 25 °C

Product details



CitySoul gen2 side-entry version-
top view



CitySoul gen2 with Right Curve
bracket



CitySoul gen2 with East bracket-
side view



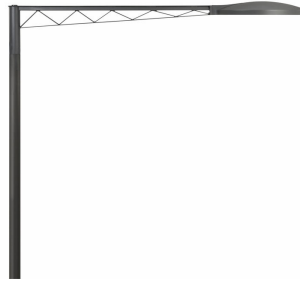
CitySoul gen2 with East bracket-
top view

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Product details



CitySoul gen2 with East bracket-
below view



CitySoul gen2 with Graphic
bracket- side view



CitySoul gen2 with Graphic
bracket- top view



CitySoul gen2 with Graphic
bracket- below view



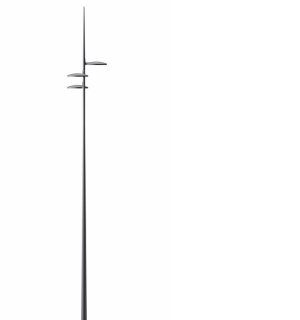
CitySoul gen2 with Right Curve
bracket- side view



CitySoul gen2 with Right Curve
bracket- top view



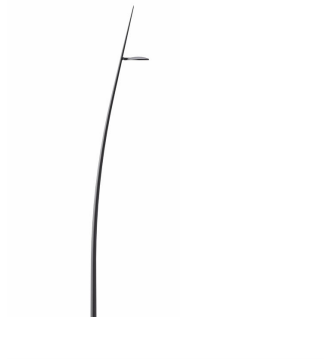
CitySoul gen2 with Right Curve
bracket- below view



CitySoul gen2 with Accent spigot
mounted on Ocean Straight pole

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Product details



CitySoul gen2 with adjustable spigot on Ocean Curved pole



CitySoul gen2 post-top version- side view



CitySoul gen2 post-top version- top view



CitySoul gen2 double post-top version- side view



Spigot ensures flush transition between double post-top luminaire and mast

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Approval and Application

Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode

General Information

Luminaire light beam spread	180°
CE mark	CE mark
Coating	-
Optical cover/lens type	Flat glass
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	-
Light source replaceable	Yes
Number of gear units	1 unit

Light Technical

Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0.03

Mechanical and Housing

Color	Gray
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Application Conditions

Order Code	Full Product Name	Maximum dim level
910505016870	BPP531 GRN85-/740 I DM FG CO GR D9	20%
910505016886	BPP531 GRN125-/740 I DM FG CO GR D9	20%
910505016892	BPP531 GRN60-/830 II DM FG AL GR	Not applicable
910505016904	BPP531 GRN160-/830 II DW FG AL GR T35	Not applicable
910505016874	BRP531 GRN145-/740 II DM FG CO GR 60S	Not applicable
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	20%
910505016882	BRP531 GRN145-/740 I DM FG CO GR D9 T35	20%
910505016883	BRP531 GRN165-/740 I DM FG CO GR D9 T35	10%
910505016884	BRP531 GRN185-/740 I DM FG CO GR D9 60S	10%
910505016890	BRP531 GRN60-/830 II DM FG AL GR T35 60S	Not applicable
910505016909	BRP531 GRN95-/740 I DM FG CO GR CLO T35	Not applicable
910505017216	BSP531 GRN60-/830 II DM FG CO GR C2K T35	Not applicable
910505017217	BGP531 GRN60-/830 II DM FG CO GR T35	Not applicable

Controls and Dimming

Order Code	Full Product Name	Dimmable
910505016870	BPP531 GRN85-/740 I DM FG CO GR D9	Yes
910505016886	BPP531 GRN125-/740 I DM FG CO GR D9	Yes
910505016892	BPP531 GRN60-/830 II DM FG AL GR	No
910505016904	BPP531 GRN160-/830 II DW FG AL GR T35	No
910505016874	BRP531 GRN145-/740 II DM FG CO GR 60S	No
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	Yes
910505016882	BRP531 GRN145-/740 I DM FG CO GR D9 T35	Yes

Order Code	Full Product Name	Dimmable
910505016883	BRP531 GRN165-/740 I DM FG CO GR D9 T35	Yes
910505016884	BRP531 GRN185-/740 I DM FG CO GR D9 60S	Yes
910505016890	BRP531 GRN60-/830 II DM FG AL GR T35 60S	No
910505016909	BRP531 GRN95-/740 I DM FG CO GR CLO T35	No
910505017216	BSP531 GRN60-/830 II DM FG CO GR C2K T35	No
910505017217	BGP531 GRN60-/830 II DM FG CO GR T35	No

General Information (1/2)

Order Code	Full Product Name	Parts		Light source	Lamp family
		color	color	Glow-wire test	code
910505016870	BPP531	Cover	740	Temperature 650 °C, duration 30 s	GRN85
	GRN85-/740 I DM FG CO GR D9	Painted	neutral white		
910505016886	BPP531	Cover	740	Temperature 650 °C, duration 30 s	GRN125
	GRN125-/740 I DM FG CO GR D9	Painted	neutral white		

Order Code	Full Product Name	Parts		Light source	Lamp family
		color	color	Glow-wire test	code
910505016892	BPP531	All parts	830	Temperature 650 °C, duration 30 s	GRN60
	GRN60-/830 II DM FG AL GR	Colored	warm white		
910505016904	BPP531	All parts	830	Temperature 650 °C, duration 30 s	GRN160
	GRN160-/830 II DW FG AL GR T35	Colored	warm white		

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Order Code	Full Product Name	Parts color	Light source		Lamp family code
			color	Glow-wire test	
910505016874	BRP531	Cover	740	Temperature 650 °C, duration 30 s	GRN145
	GRN145-/740 II	Painted	neutral		
	DM FG CO GR 60S		white		
910505016880	BRP531	Cover	740	Temperature 650 °C, duration 30 s	GRN106
	GRN106-/740 I	Painted	neutral		
	DM FG CO GR D9 60S		white		
910505016882	BRP531	Cover	740	Temperature 650 °C, duration 30 s	GRN145
	GRN145-/740 I DM	Painted	neutral		
	FG CO GR D9 T35		white		
910505016883	BRP531	Cover	740	Temperature 650 °C, duration 30 s	GRN165
	GRN165-/740 I DM	Painted	neutral		
	FG CO GR D9 T35		white		
910505016884	BRP531	Cover	740	Temperature 650 °C, duration 30 s	GRN185
	GRN185-/740 I DM	Painted	neutral		
	FG CO GR D9 60S		white		

Order Code	Full Product Name	Parts color	Light source		Lamp family code
			color	Glow-wire test	
910505016890	BRP531	All parts	830	Temperature 650 °C, duration 30 s	GRN60
	GRN60-/830 II DM	Colored	warm		
	FG AL GR T35 60S		white		
910505016909	BRP531	Cover	740	-	GRN95
	GRN95-/740 I DM	Painted	neutral		
	FG CO GR CLO T35		white		
910505017216	BSP531	Cover	830	-	GRN60
	GRN60-/830 II DM	Painted	warm		
	FG CO GR C2K T35		white		
910505017217	BGP531	Cover	830	-	GRN60
	GRN60-/830 II DM	Painted	warm		
	FG CO GR T35		white		

General Information (2/2)

Order Code	Full Product Name	Number of light sources	Optic type	Optical element	Product Family Code
910505016886	BPP531 GRN125-/740 I DM FG CO GR D9	64 pcs	Distribution medium	-	BPP531
910505016892	BPP531 GRN60-/830 II DM FG AL GR	40 pcs	Distribution medium	-	BPP531
910505016904	BPP531 GRN160-/830 II DW FG AL GR T35	64 pcs	Distribution wide	-	BPP531
910505016874	BRP531 GRN145-/740 II DM FG CO GR 60S	64 pcs	Distribution medium	-	BRP531
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	64 pcs	Distribution medium	-	BRP531
910505016882	BRP531 GRN145-/740 I DM FG CO GR D9 T35	64 pcs	Distribution medium	-	BRP531

Order Code	Full Product Name	Number of light sources	Optic type	Optical element	Product Family Code
910505016884	BRP531 GRN185-/740 I DM FG CO GR D9 60S	64 pcs	Distribution medium	-	BRP531
910505016890	BRP531 GRN60-/830 II DM FG AL GR T35 60S	40 pcs	Distribution medium	-	BRP531
910505016909	BRP531 GRN95-/740 I DM FG CO GR CLO T35	1 pc	Distribution medium	-	BRP531
910505017216	BSP531 GRN60-/830 II DM FG CO GR C2K T35	1 pc	Distribution medium	-	BSP531
910505017217	BGP531 GRN60-/830 II DM FG CO GR T35	1 pc	Distribution medium	-	BGP531

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux

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Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
910505016892	BPP531 GRN60-/830 II DM FG AL GR	3000 K	>80	4942 lm
910505016904	BPP531 GRN160-/830 II DW FG AL GR T35	3000 K	>80	12779 lm
910505016874	BRP531 GRN145-/740 II DM FG CO GR 60S	4000 K	>70	11882 lm
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	4000 K	>70	10697 lm
910505016882	BRP531 GRN145-/740 I DM FG CO GR D9 T35	4000 K	>70	11882 lm
910505016883	BRP531 GRN165-/740 I DM FG CO GR D9 T35	4000 K	>70	13453 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
910505016884	BRP531 GRN185-/740 I DM FG CO GR D9 60S	4000 K	>70	14995 lm
910505016890	BRP531 GRN60-/830 II DM FG AL GR T35 60S	3000 K	>80	4942 lm
910505016909	BRP531 GRN95-/740 I DM FG CO GR CLO T35	4000 K	>70	7863 lm
910505017216	BSP531 GRN60-/830 II DM FG CO GR C2K T35	3000 K	>80	4942 lm
910505017217	BGP531 GRN60-/830 II DM FG CO GR T35	3000 K	>80	4942 lm

