



CitySoul LED gen2 large - 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 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. Thanks to the built in Philips Ledgine optimized LED platform, and the wide range of available application-tailored optics, CitySoul LED gen2 delivers the right amount of light and in the right direction on your street, enabling further energy savings. The luminaire comes with one or two Philips SR (System Ready) sockets, which makes the luminaire future ready. What this means is that CitySoul LED gen2 is ready to be paired with both standalone and advanced control and lighting software applications such as Interact City from Signify. Next to this, each individual luminaire is uniquely identifiable, thanks to the Philips Service tag application. With a simple scan of a QR code, placed on the inside of the mast door or directly on the luminaire, you gain instant access to the luminaire configuration, making maintenance and programming operations faster and easier, and enabling you to create your digital library of lighting assets and spare parts. CitySoul LED gen2 can also be equipped with our dedicated light recipe that preserves a dark night sky.

CitySoul gen2 LED Large

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 existing CitySoul pole and bracket range Flip, Morph, Jump, Sweep
- Large choice of different beams and internal louvers to ensure minimized glare
- Ready to be paired with controls, by being equipped with the SR (System Ready) socket
- Easy luminaire is uniquely identifiable thanks to the Philips Service tag

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)	Maintenance of lumen output - L80B10	100,000 hours
Light source	Integral LED-module	Operating temperature range	-20 to +35 °C
Power	GreenLine (GRN): 38-138 W depending on configuration	Driver	Built-in (self ballasted LED-module)
Luminous flux (system)	4250-13,000 lm (3000 K) 4600-14,800 lm (4000 K)	Mains voltage	210-240 V / 50-60 Hz
Luminaire efficacy (system)	Up to 110 lm/W	Inrush current	80 A / 150 µs (75 W driver) 108 A / 140 µs (150 W driver)
Correlated Color Temperature	3000 K, warm white 4000 K, neutral white	Dimming	DynaDimmer LumiStep CLO
Color Rendering Index	≥ 70, neutral white ≥ 80, warm white	Controls system input	DALI StarSense RF LightWave (GPRS)

Specifications

Options	Photocell: Minicell, 35, 55, 70 lux	Material	Housing: high-pressure die-cast aluminum, coated Gasket: silicone rubber, heat resistant Optics: plastic (PMMA) Cover: glass, thermally hardened
Optic	Distribution medium (DM), wide (DW), wet road (DK), asymmetrical (A), symmetrical (S)	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
Optical cover	Hard glass, tempered Glass plate, frosted (optional) IK10 glass, tempered (optional)		

CitySoul gen2 LED Large

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
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)

Versions



CitySoul gen2 large BRP531
pedestrian luminaire, side entry
version



CitySoul gen2 Large - LED module
12000 lm - 830 warm white -
Power supply unit with DALI
interface - Safety class II -
Distribution medium 50 - Clear
glass - Gray - Philips standard
surge protection level - - - Side-
entry for diameter 60 mm



CitySoul gen2 large BPP531
pedestrian luminaire, pole
mounted version



CitySoul gen2 Large - LED module
12000 lm - 830 warm white -
Power supply unit with DALI and
SystemReady interface - Safety
class II - Distribution medium 50 -
Clear glass - Gray - Philips
standard surge protection level - -
- Side-entry for diameter 60 mm

CitySoul gen2 LED Large

Product details



OPDP_BGP530i_0015-Detail
photo



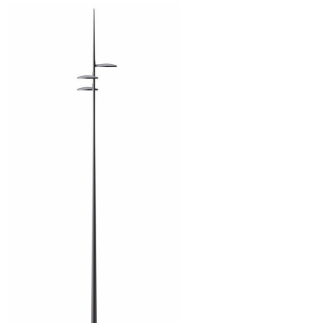
OPDP_BGP530i_0025-Detail
photo



CitySoul gen2 LED Large

Product details

OPDP_BGP530i_0029-Detail
photo



CitySoul gen2 LED Large

Product details

OPDP_BGP530i_0013-Detail
photo



Approval and Application

Mech. impact protection code	IK08
------------------------------	------

General Information

CE mark	CE mark
Driver included	Yes
Flammability mark	-
Light source replaceable	Yes
Number of gear units	1 unit

Light Technical

Upward light output ratio	0.03
---------------------------	------

Mechanical and Housing

Color	Gray
-------	------

Application Conditions

Order Code	Full Product Name	Maximum dim level
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	20%
910505016892	BPP531 GRN60-/830 II DM FG AL GR	Not applicable
912300024411	BRP531 LED120-4S/830 II DM50 D9 AL GR	10%
912300024412	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	10%
912300024413	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	10%

Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
910505016892	BPP531 GRN60-/830 II DM FG AL GR	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
912300024411	BRP531 LED120-4S/830 II DM50 D9 AL GR	Philips standard surge protection level

Order Code	Full Product Name	Surge Protection (Common/Differential)
912300024412	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode
912300024413	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	Philips standard surge protection level

Controls and Dimming

Order Code	Full Product Name	Dimmable
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	Yes
910505016892	BPP531 GRN60-/830 II DM FG AL GR	No
912300024411	BRP531 LED120-4S/830 II DM50 D9 AL GR	Yes

Order Code	Full Product Name	Dimmable
912300024412	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	Yes
912300024413	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	Wireless Dim

General Information (1/2)

CitySoul gen2 LED Large

Order Code	Full Product Name	Luminaire		Light	
		light beam spread	Parts color	Coating	source color
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	180°	Cover painted	-	740 neutral white
910505016892	BPP531 GRN60-/830 II DM FG AL GR	180°	All parts colored	-	830 warm white
912300024411	BRP531 LED120-4S/830 II DM50 D9 AL GR	-	-	-	830 warm white

Order Code	Full Product Name	Luminaire		Light	
		light beam spread	Parts color	Coating	source color
912300024412	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	-	-	-	830 warm white
912300024413	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	-	-	-	830 warm white

General Information (2/2)

Order Code	Full Product Name	Optical cover/		Lamp family code	Number of light sources	Optic type	Product Family Code
		lens type	Glow-wire test				
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	Flat glass	Temperature 650 °C, duration 30 s	GRN106	64 pcs	Distribution medium	BRP531
910505016892	BPP531 GRN60-/830 II DM FG AL GR	Flat glass	Temperature 650 °C, duration 30 s	GRN60	40 pcs	Distribution medium	BPP531
912300024411	BRP531 LED120-4S/830 II DM50 D9 AL GR	Clear glass	-	LED120	60 pcs	Distribution medium 50	BRP531
912300024412	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	Clear glass	-	LED120	60 pcs	Distribution medium 50	BRP531
912300024413	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	Clear glass	-	LED120	60 pcs	Distribution medium 50	BPP531

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color	Initial
			Rendering Index	luminous flux
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	4000 K	>70	10697 lm
910505016892	BPP531 GRN60-/830 II DM FG AL GR	3000 K	>80	4942 lm
912300024411	BRP531 LED120-4S/830 II DM50 D9 AL GR	3000 K	≥80	10080 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color	Initial
			Rendering Index	luminous flux
912300024412	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	3000 K	≥80	10080 lm
912300024413	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	3000 K	≥80	10080 lm

Light Technical

Order Code	Full Product Name	Standard tilt	
		angle side entry	Standard tilt angle posttop
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	0°	0°
910505016892	BPP531 GRN60-/830 II DM FG AL GR	0°	0°
912300024411	BRP531 LED120-4S/830 II DM50 D9 AL GR	-	-

Order Code	Full Product Name	Standard tilt	
		angle side entry	Standard tilt angle posttop
912300024412	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	-	-
912300024413	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	-	-

CitySoul gen2 LED Large

