



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

CitySoul gen2 LED Large

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

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)

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

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 m ²
	- 2 x BGP531 + JRP532: 0.033 m ²
	- BGP531 + MBA SJ (tiltable side-entry bracket): 0.017 m ²
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)

CitySoul gen2 LED Large

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 - 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

Product details



OPDP_BGP530i_0015-Detail
photo



CitySoul gen2 LED Large

Product details



OPDP_BGP530i_0025-Detail
photo



OPDP_BGP530i_0029-Detail
photo



CitySoul gen2 LED Large

Product details



Approval and Application

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

General Information

CE mark	CE mark
Driver included	Yes
Flammability mark	NO
Light source replaceable	Yes
Number of gear units	1 unit

Light Technical

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

Mechanical and Housing

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

-

Order Code	Full Product Name	Driver failure rate at 5000 h
61340500	BRP531 GRN106-/740 I DM FG CO GR D9 60S	0.15 %
87868900	BRP531 LED120-4S/830 II DM50 D9 AL GR	-
87869600	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	-
87870200	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	-

Application Conditions

Order Code	Full Product Name	Maximum dim level
61340500	BRP531 GRN106-/740 I DM FG CO GR D9 60S	20%
87868900	BRP531 LED120-4S/830 II DM50 D9 AL GR	10%

Order Code	Full Product Name	Maximum dim level
87869600	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	10%
87870200	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	10%

Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
61340500	BRP531 GRN106-/740 I DM FG CO GR D9 60S	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
87868900	BRP531 LED120-4S/830 II DM50 D9 AL GR	Philips standard surge protection level kV

Order Code	Full Product Name	Surge Protection (Common/Differential)
87869600	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	Surge protection level until 10 kV
87870200	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	Philips standard surge protection level kV

Controls and Dimming

Order Code	Full Product Name	Dimmable
61340500	BRP531 GRN106-/740 I DM FG CO GR D9 60S	Yes
87868900	BRP531 LED120-4S/830 II DM50 D9 AL GR	Yes

Order Code	Full Product Name	Dimmable
87869600	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	Yes
87870200	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 source	
		light beam spread	Parts color	Coating	color
61340500	BRP531 GRN106-/740 I DM FG CO GR D9 60S	180°	Cover painted	-	740 neutral white
87868900	BRP531 LED120-4S/830 II DM50 D9 AL GR	-	-	-	830 warm white

Order Code	Full Product Name	Luminaire		Light source	
		light beam spread	Parts color	Coating	color
87869600	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	-	-	-	830 warm white
87870200	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	-	-	-	830 warm white

General Information (2/2)

Order Code	Full Product Name	Optical cover/lens		Number of light		Product Family	
		type	Glow-wire test	Lamp family code	sources	Optic type	Code
61340500	BRP531 GRN106-/740 I DM FG CO GR D9 60S	FG	650/30	GRN106	64	Distribution medium	BRP531
87868900	BRP531 LED120-4S/830 II DM50 D9 AL GR	GC	-	LED120	60	Distribution medium 50	BRP531
87869600	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	GC	-	LED120	60	Distribution medium 50	BRP531
87870200	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	GC	-	LED120	60	Distribution medium 50	BPP531

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Color		Initial
		Init. Corr. Color Temperature	Rendering Index	luminous flux
61340500	BRP531 GRN106-/740 I DM FG CO GR D9 60S	4000 K	>70	10697 lm
87868900	BRP531 LED120-4S/830 II DM50 D9 AL GR	3000 K	≥80	10080 lm

Order Code	Full Product Name	Init. Color		Initial
		Init. Corr. Color Temperature	Rendering Index	luminous flux
87869600	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	3000 K	≥80	10080 lm
87870200	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	angle posttop
61340500	BRP531 GRN106-/740 I DM FG CO GR D9 60S	0°	0°
87868900	BRP531 LED120-4S/830 II DM50 D9 AL GR	-	-

Order Code	Full Product Name	Standard tilt	
		angle side entry	angle posttop
87869600	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	-	-
87870200	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-	-	-

