



# 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

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

## Specifications

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

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<b>Connection</b>	Screw connection block Wieland push in connector possible (optional)
<b>Maintenance</b>	From below by opening the housing with 1 screws (Torx T20) Same screws to access the luminaire, driver and LED-board
<b>Installation</b>	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

<b>Cable gland</b>	M20
<b>Accessories</b>	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)
<b>Remarks</b>	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 BPP531 pedestrian luminaire, pole mounted version



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

# CitySoul gen2 LED Large

## Product details



OPDP\_BGP530i\_0015-Detail  
photo



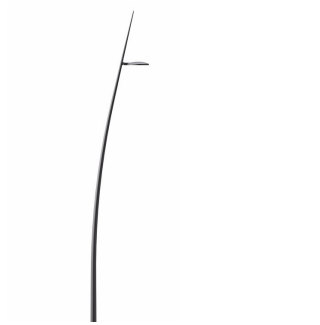
OPDP\_BGP530i\_0025-Detail  
photo



# 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
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
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 DM D9 SRT CTG-O	10%

## Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
910505016870	BPP531 GRN85-/740 I DM FG CO GR D9	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
910505016886	BPP531 GRN125-/740 I DM FG CO GR D9	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
910505016904	BPP531 GRN160-/830 II DW FG AL GR T35	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
910505016874	BRP531 GRN145-/740 II DM FG CO GR 60S	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode

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
910505016882	BRP531 GRN145-/740 I DM FG CO GR D9 T35	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
910505016883	BRP531 GRN165-/740 I DM FG CO GR D9 T35	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
910505016884	BRP531 GRN185-/740 I DM FG CO GR D9 60S	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
910505016890	BRP531 GRN60-/830 II DM FG AL GR T35 60S	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode

## CitySoul gen2 LED Large

Order Code	Full Product Name	Surge Protection (Common/Differential)
910505016909	BRP531 GRN95-/740 I DM FG CO GR CLO T35	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 DM D9 SRT CTG-O	Philips standard surge protection level

### 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
912300024411	BRP531 LED120-4S/830 II DM50 D9 AL GR	Yes
912300024412	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	Yes
912300024413	BPP531 LED120-4S/830 II DM D9 SRT CTG-O	Wireless Dim

### General Information (1/2)

Order Code	Full Product Name	Luminaire		Light	
		light beam spread	Parts color	Coating	source color
910505016870	BPP531 GRN85-/740 I DM FG CO GR D9	180°	Cover painted	-	740 neutral white
910505016886	BPP531 GRN125-/740 I DM FG CO GR D9	180°	Cover painted	-	740 neutral white
910505016892	BPP531 GRN60-/830 II DM FG AL GR	180°	All parts colored	-	830 warm white
910505016904	BPP531 GRN160-/830 II DW FG AL GR T35	180°	All parts colored	-	830 warm white
910505016874	BRP531 GRN145-/740 II DM FG CO GR 60S	180°	Cover painted	-	740 neutral white
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	180°	Cover painted	-	740 neutral white
910505016882	BRP531 GRN145-/740 I DM FG CO GR D9 T35	180°	Cover painted	-	740 neutral white

Order Code	Full Product Name	Luminaire		Light	
		light beam spread	Parts color	Coating	source color
910505016883	BRP531 GRN165-/740 I DM FG CO GR D9 T35	180°	Cover painted	-	740 neutral white
910505016884	BRP531 GRN185-/740 I DM FG CO GR D9 60S	180°	Cover painted	-	740 neutral white
910505016890	BRP531 GRN60-/830 II DM FG AL GR T35 60S	180°	All parts colored	-	830 warm white
910505016909	BRP531 GRN95-/740 I DM FG CO GR CLO T35	180°	Cover painted	-	740 neutral white
912300024411	BRP531 LED120-4S/830 II DM50 D9 AL GR	-	-	-	830 warm white
912300024412	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	-	-	-	830 warm white
912300024413	BPP531 LED120-4S/830 II DM D9 SRT CTG-O	-	-	-	830 warm white

### General Information (2/2)

Order Code	Full Product Name	Optical cover/		Lamp family code	Number of light sources	Product Family Code
		lens type	Glow-wire test			
910505016870	BPP531 GRN85-/740 I DM FG CO GR D9	Flat glass	Temperature 650 °C, duration 30 s	GRN85	40 pcs	Distribution medium BPP531

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Order Code	Full Product Name	Optical cover/		Lamp family	Number of light	Product Family
		lens type	Glow-wire test			
				code	sources	Code
910505016886	BPP531 GRN125-/740 I DM FG CO GR D9	Flat glass	Temperature 650 °C, duration 30 s	GRN125	64 pcs	BPP531
910505016892	BPP531 GRN60-/830 II DM FG AL GR	Flat glass	Temperature 650 °C, duration 30 s	GRN60	40 pcs	BPP531
910505016904	BPP531 GRN160-/830 II DW FG AL GR T35	Flat glass	Temperature 650 °C, duration 30 s	GRN160	64 pcs	BPP531
910505016874	BRP531 GRN145-/740 II DM FG CO GR 60S	Flat glass	Temperature 650 °C, duration 30 s	GRN145	64 pcs	BRP531
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	Flat glass	Temperature 650 °C, duration 30 s	GRN106	64 pcs	BRP531
910505016882	BRP531 GRN145-/740 I DM FG CO GR D9 T35	Flat glass	Temperature 650 °C, duration 30 s	GRN145	64 pcs	BRP531
910505016883	BRP531 GRN165-/740 I DM FG CO GR D9 T35	Flat glass	Temperature 650 °C, duration 30 s	GRN165	64 pcs	BRP531
910505016884	BRP531 GRN185-/740 I DM FG CO GR D9 60S	Flat glass	Temperature 650 °C, duration 30 s	GRN185	64 pcs	BRP531
910505016890	BRP531 GRN60-/830 II DM FG AL GR T35 60S	Flat glass	Temperature 650 °C, duration 30 s	GRN60	40 pcs	BRP531
910505016909	BRP531 GRN95-/740 I DM FG CO GR CLO T35	Flat glass	-	GRN95	1 pc	BRP531
912300024411	BRP531 LED120-4S/830 II DM50 D9 AL GR	Clear glass	-	LED120	60 pcs	BRP531
912300024412	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	Clear glass	-	LED120	60 pcs	BRP531
912300024413	BRP531 LED120-4S/830 II DM D9 SRT CTG-O	Clear glass	-	LED120	60 pcs	BPP531

### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color	Initial	Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color	Initial
			Rendering Index	luminous flux				Rendering Index	luminous flux
910505016870	BPP531 GRN85-/740 I DM FG CO GR D9	4000 K	>70	7057 lm	910505016883	BRP531 GRN165-/740 I DM FG CO GR D9 T35	4000 K	>70	13453 lm
910505016886	BPP531 GRN125-/740 I DM FG CO GR D9	4000 K	>70	10292 lm	910505016884	BRP531 GRN185-/740 I DM FG CO GR D9 60S	4000 K	>70	14995 lm
910505016892	BPP531 GRN60-/830 II DM FG AL GR	3000 K	>80	4942 lm	910505016890	BRP531 GRN60-/830 II DM FG AL GR T35 60S	3000 K	>80	4942 lm
910505016904	BPP531 GRN160-/830 II DW FG AL GR T35	3000 K	>80	12779 lm	910505016909	BRP531 GRN95-/740 I DM FG CO GR CLO T35	4000 K	>70	7863 lm
910505016874	BRP531 GRN145-/740 II DM FG CO GR 60S	4000 K	>70	11882 lm	912300024411	BRP531 LED120-4S/830 II DM50 D9 AL GR	3000 K	≥80	10080 lm
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	4000 K	>70	10697 lm	912300024412	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	3000 K	≥80	10080 lm
910505016882	BRP531 GRN145-/740 I DM FG CO GR D9 T35	4000 K	>70	11882 lm	912300024413	BRP531 LED120-4S/830 II DM D9 SRT CTG-O	3000 K	≥80	10080 lm

### Light Technical



## CitySoul gen2 LED Large

Order Code	Full Product Name	Standard tilt angle side entry	Standard tilt angle posttop
910505016870	BPP531 GRN85-/740 I DM FG CO GR D9	0°	0°
910505016886	BPP531 GRN125-/740 I DM FG CO GR D9	0°	0°
910505016892	BPP531 GRN60-/830 II DM FG AL GR	0°	0°
910505016904	BPP531 GRN160-/830 II DW FG AL GR T35	0°	0°
910505016874	BRP531 GRN145-/740 II DM FG CO GR 60S	0°	0°
910505016880	BRP531 GRN106-/740 I DM FG CO GR D9 60S	0°	0°
910505016882	BRP531 GRN145-/740 I DM FG CO GR D9 T35	0°	0°
910505016883	BRP531 GRN165-/740 I DM FG CO GR D9 T35	0°	0°

Order Code	Full Product Name	Standard tilt angle side entry	Standard tilt angle posttop
910505016884	BRP531 GRN185-/740 I DM FG CO GR D9 60S	0°	0°
910505016890	BRP531 GRN60-/830 II DM FG AL GR T35 60S	0°	0°
910505016909	BRP531 GRN95-/740 I DM FG CO GR CLO T35	0°	0°
912300024411	BRP531 LED120-4S/830 II DM50 D9 AL GR	-	-
912300024412	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL	-	-
912300024413	BPP531 LED120-4S/830 II DM D9 SRT CTG-O	-	-

