



# CitySoul gen2 LED Large

BRP531 GRN120-/830 I DW FG CO GR T35 60S

CitySoul gen2 Large, LED GreenLine 12000 lm, Distribution wide, Flat glass

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.

## Product data

General Information		Lighting Technology	
Lamp family code	GRN120 [LED GreenLine 12000 lm]	Value ladder	Performance
Light source replaceable	Yes	Embedded control	-
Number of gear units	1 unit	CE mark	Yes
Driver included	Yes	Warranty period	5 years
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components	Flammability mark	-
Light source engine type	LED	ENEC mark	ENEC mark
Product family code	BRP531 [CitySoul gen2 Large]	Glow-wire test	Temperature 650 °C, duration 30 s
		EU RoHS compliant	Yes

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<b>Light Technical</b>	
Upward light output ratio	0.03
Luminous Flux	9,731 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	112 lm/W
Color rendering index (CRI)	>80
Number of light sources	64
Light source color	830 warm white
Optical cover type	Flat glass
Luminaire light beam spread	180°
Optic type outdoor	Distribution wide

<b>Operating and Electrical</b>	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	87 W
Power Factor (Fraction)	0.8
Connection	-
Cable	-
Number of products on MCB of 16 A type B 11	

<b>Temperature</b>	
Ambient temperature range	-40 to +50 °C

<b>Controls and Dimming</b>	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

<b>Mechanical and Housing</b>	
Housing Material	Aluminum
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Side-entry for diameter 60 mm
Optical cover shape	Convex lens

Optical cover finish	Mask (anti-glare)
Overall length	735 mm
Overall width	628 mm
Overall height	106 mm
Effective projected area	0.029 m²
Dimensions (Height x Width x Depth)	106 x 628 x 735 mm
Parts color	Cover painted

<b>Approval and Application</b>	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

<b>Initial Performance (IEC Compliant)</b>	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43,0.40) SDCM<5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

<b>Over Time Performance (IEC Compliant)</b>	
Driver failure rate at 5000 h	0.15 %

<b>Application Conditions</b>	
Maximum dim level	Not applicable

<b>Product Data</b>	
Order product name	BRP531 GRN120-/830 I DW FG CO GR T35 60S
Full product name	BRP531 GRN120-/830 I DW FG CO GR T35 60S
Full product code	871869661331300
Order code	61331300
Material Nr. (12NC)	910505016871
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696613313
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696613313

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## Dimensional drawing

