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 LED gen2 is one of the most versatile and inspirational LED urban street lighting families designed by Philips to date. This highly efficient range delivers excellent lighting levels whilst also providing the right ambience for every urban application, from the suburbs to the city center. This modular city lighting family has evolved with new innovations such as the Lyre and the Accent bracket, making it the ideal toolbox for every urban context. To give your cityscape a coherent, elegant and discreet identity, the design is flatter, completely round, and the transitions with the spigot and bracket entirely flush. It also comes in two sizes and is suitable for side-entry, post-top, catenary and suspended mounting. CitySoul LED gen2 is highly efficient and easy to maintain. Thanks to the built in Philips LEDGINE-O engine, and the wide range of application-tailored optics, this urban lighting solution delivers the right amount of light and in the right direction on your street, enabling further energy savings. The luminaires can even be equipped with our dedicated light recipe that preserves dark skies. CitySoul LED gen2 is also future ready with a choice of one or two Philips System Ready (SR) sockets that enable the luminaire to be paired with both standalone and advanced control and lighting software applications such as Interact from Signify. In addition, every CitySoul LED gen2 luminaire is uniquely identifiable, thanks to the Signify Service tag app. By simply scanning a QR code, placed inside the door of the mast or directly on the luminaire, you can instantly access the configuration of the luminaire. This makes maintenance and programing operations faster and easier, and enables you to create a digital library of lighting assets and spare parts.

Product data

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General Information

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

Light Technical

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

Operating and Electrical

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

Temperature

Ambient temperature range	–40 to +50 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	–

Constant light output	No

Mechanical and Housing

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

Approval and Application

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

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/–10%
Initial chromaticity	(0.43,0.40) SDCM<5
Power consumption tolerance	+/–10%
Init. Color Rendering Index Tolerance	+/–2

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.15 %

Application Conditions

Maximum dim level	Not applicable

Product Data

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	910505016871
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

www.lighting.philips.com

2023, December 5 – data subject to change