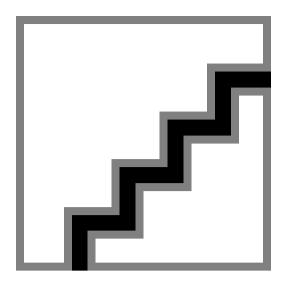
PHILIPS Lighting



CitySoul gen2 LED Large

BRP531 GRN85-/740 I DM FG CO GR D9 T35 6

CitySoul gen2 Large, LED GreenLine 8500 lm, Distribution medium, 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

CitySoul gen2 LED Large

General Information	
Lamp family code	GRN85 [LED GreenLine 8500 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

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

No

_

Aluminum

Light Technical	
Upward light output ratio	0.03
Luminous Flux	7,057 lm
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	124 lm/W
Color rendering index (CRI)	>70
Number of light sources	40
Light source color	740 neutral white

0°	Protection class IEC	Safety class I
4000 K	Photobiological risk	Photobiological risk group 1@200mm to
124 lm/W		EN62778
>70		
40	Initial Performance (IEC Compliant)	
740 neutral white	Luminous flux tolerance	+/-10%
Flat glass	Initial chromaticity	(0.38,0.37) SDCM<5
180°	Power consumption tolerance	+/-10%
Distribution medium	Init. Color Rendering Index Tolerance	+/-2

Constant light output

Housing Material

Reflector material

Mechanical and Housing

Over Time Performance (IEC Compliant)		
Driver failure rate at 5000 h	0.15 %	
Application Conditions		
Maximum dim level	20%	
Product Data		
Order product name	BRP531 GRN85-/740 I DM FG CO GR D9	
	T35 6	
Full product name	BRP531 GRN85-/740 I DM FG CO GR D9	
	T35 6	
Full product code	871869661329000	
Order code	910505016869	
Material Nr. (12NC)	910505016869	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696613290	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696613290	

Operating and Electrical

Luminaire light beam spread

Optical cover type

Optic type outdoor

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	57 W
Power Factor (Fraction)	0.8
Connection	-
Cable	-
Number of products on MCB of 16 A type B 13	

Temperature

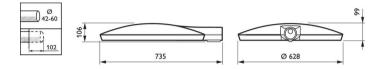
Ambient temperature range	i
---------------------------	---

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI

-40 to +50 °C

CitySoul gen2 LED Large

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, December 5 - data subject to change