PHILIPS Lighting



CitySoul gen2 LED Large

BRP531 GRN160-/830 II DM FG AL GR T35 60

CitySoul gen2 Large, LED GreenLine 16000 lm, Distribution medium, 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	
Lamp family code	GRN160 [LED GreenLine 16000 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

CitySoul gen2 LED Large

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Light	tieci	hnical

Upward light output ratio	0.03
Luminous Flux	12,779 lm
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	106 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 medium

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	All parts colored
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

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	120 W
Power Factor (Fraction)	0.8
Connection	-
Cable	-
Number of products on MCB of 16 A type B 11	

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

Protection class IEC

Safety class II

differential mode and 8 kV common mode

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 GRN160-/830 II DM FG AL GR T35
	60
Full product name	BRP531 GRN160-/830 II DM FG AL GR T35
	60
Full product code	871869661359700
Order code	61359700
Material Nr. (12NC)	910505016901
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696613597
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696613597

Temperature

Ambient temperature range -40 to +50 °C

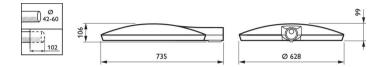
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

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

CitySoul gen2 LED Large

Dimensional drawing





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