CitySoul gen2 LED Large

BRP531 LED120-4S/830 II DM50 D9 SRG10 AL

CitySoul gen2 Large, LED module 12000 lm, 830 warm white, Power supply unit with DALI interface, Safety class II, Distribution medium 50, Clear glass, Grey, Luminaire surge protection level up to 10 kV differential mode and 10 kV common mode, Side-entry for diameter 60 mm

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	LED120 [LED module 12000 lm]
Light source replaceable	Yes
Number of gear units	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

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Value ladder	Performance		**Optic material**	Polymethyl methacrylate
CE mark	Yes		**Optical cover/lens material**	Glass
Warranty period	5 years		**Fixation material**	Aluminium
Flammability mark	–		**Housing Colour**	Grey
ENEC mark	ENEC mark		**Mounting device**	Side-entry for diameter 60 mm
EU RoHS compliant	Yes		**Optical cover/lens shape**	Flat
Serviceability class	Class A, the luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge-protection device, optics, front cover and mechanical parts		**Optical cover/lens finish**	Clear
			Overall height	100 mm
			Overall diameter	735 mm
			Effective projected area	0.061 m²

Light Technical

Upwards light output ratio	0.03
Luminous Flux	10,080 lm
Standard tilt angle post-top	–
Standard tilt angle side entry	–
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	111 lm/W
Colour rendering index (CRI)	≥80
Number of light sources	60
Light source colour	830 warm white
Optical cover type	Clear glass
Luminaire light beam spread	–
Optic type outdoor	Distribution medium 50

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	91 W
Power Factor (Fraction)	0.99
Connection	Screw connection block
Cable	–
Number of products on MCB of 16 A type B	8

Temperature

Ambient temperature range	–40 to +50 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing material	Aluminium
Reflector material	Acrylate

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 up to 10 kV differential mode and 10 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.43, 0.40) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L96

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%

Product Data

Order product name	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL
Full product name	BRP531 LED120-4S/830 II DM50 D9 SRG10 AL
Full EOC	871869987869600
Order code	87869600
Material no. (12 NC)	912300024412
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699878696
Numerator – packs per outer box	1
EAN/UPC – Case	8718699878696

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Dimensional drawing