



# CitySoul gen2 LED Large

## BPP531 LED120-4S/830 II DM50 SRT IACZ-4-

CitySoul gen2 Large, LED module 12000 lm, 830 warm white, Power supply unit with DALI and SystemReady interface, Safety class II, Distribution medium 50, Clear glass, Grey, Philips standard surge-protection level, 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		Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Lamp family code	LED120 [LED module 12000 lm]		
Light source replaceable	Yes		
Number of gear units	Unit	Light source engine type	LED
Driver included	Yes	Product family code	BPP531 [CitySoul gen2 Large]
		Lighting Technology	LED
		Value ladder	Performance

## CitySoul gen2 LED Large

CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
EU RoHS compliant	Yes

### 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.)	110 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	11.2 A
Inrush time	0.135 ms
Power Consumption	92 W
Power Factor (Fraction)	0.97
Connection	Screw connection block
Cable	-
Number of products on MCB of 16 A type B	15

### Temperature

Ambient temperature range	-40 to +50 °C
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### Controls and Dimming

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

### Mechanical and Housing

Housing material	Aluminium
Reflector material	Acrylate
Optic material	Polymethyl methacrylate
Optical cover/lens material	Glass
Fixation material	Aluminium

Housing Colour	Grey
Mounting device	Side-entry for diameter 60 mm
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall height	170 mm
Overall diameter	720 mm
Effective projected area	0.059 m²

### 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)	Philips standard surge-protection level
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	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-
Full product name	BPP531 LED120-4S/830 II DM50 SRT IACZ-4-
Full EOC	871869987870200
Order code	87870200
Material no. (12 NC)	912300024413
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699878702
Numerator – packs per outer box	1
EAN/UPC – Case	8718699878702

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### Dimensional drawing

