



CitySoul gen2 LED Large

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

CitySoul gen2 LED Large, Urban road & street light, 91 W, 10080 lm, 3000 K, CRI80, DALI, Distribution medium 50, Safety class II, IP66, STD

CitySoul LED gen2 is one of our most versatile and iconic luminaires, designed to bring elegance, efficiency, and ambience to every cityscape. Its rounded, minimalist form with seamless bracket transitions creates a coherent identity across residential areas, main roads, and vibrant city centers. This modular family offers multiple sizes, mounting, and bracket options—giving lighting designers the flexibility to adapt to any urban environment without compromising on aesthetics. Powered by our proven LEDGINE-O platform and now enhanced with the innovative LEDGINE-P for even higher efficacy, CitySoul LED gen2 delivers the right light, exactly where it's needed. Application-specific optics ensure safety, comfort, and reduced energy use, while dedicated light recipes preserve dark skies and support healthier ecosystems. With one or two System Ready (SR) sockets, CitySoul LED gen2 is fully prepared for connected lighting and advanced control platforms such as Interact, helping municipalities unlock further energy savings, operational insights, and long-term sustainability.

Product data

General information		Service tag	
Lamp family code	LED120 [LED module 12000 lm]		Yes
Light source replaceable	Yes	Lighting Technology	LED
Number of gear units	1 unit	Value ladder	Performance
Driver included	Yes	Warranty period	5 years
Light source engine type	LED		

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Light Technical	
Upward light output ratio	0.03
Luminous Flux	10,080 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	111 lm/W
Color rendering index (CRI)	80
Number of light sources	60
Light source color	830 warm white
Luminaire light beam spread	-
Optic type outdoor	Distribution medium 50
Effective projected area	0.061 m ²

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
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Standard surge protection level

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	10%

Mechanical and Housing	
Housing Material	Aluminum
Reflector material	Acrylate
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Side-entry for diameter 60 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall height	100 mm
Overall diameter	735 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Optical cover type	Clear glass

Net Weight (Piece)	18.000 kg
Approval and Application	
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Ambient temperature range	-40 to +50 °C

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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L96

Sustainability Data	
Sustainability rating	Signify Circle
Embedded carbon (A1-A3)	146 kg CO _{2e}
Product non-virgin material ratio	48.9 %
Recyclable content ratio of the finished product	59.7 %

GWP total B6 (kg CO_{2eq}) Declared Unit Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO_{2eq} / kWh)

GWP total B6 (kg CO_{2eq}) Functional Unit Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO_{2eq} / kWh)

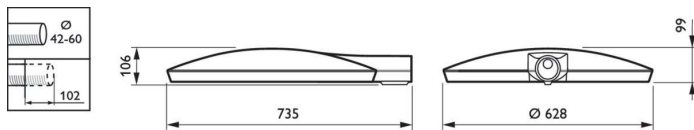
Product Data	
Order product name	BRP531 LED120-4S/830 II DM50 D9 AL GR
Full product name	BRP531 LED120-4S/830 II DM50 D9 AL GR
Full product code	871869987868900
Order code	912300024411
Material Nr. (12NC)	912300024411
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699878689
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699878689

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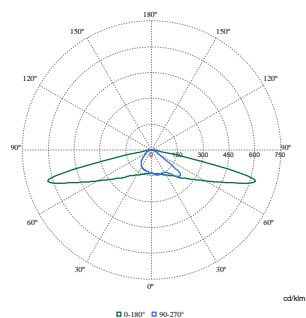
Product family code

BRP531 [CitySoul gen2 Large]

Dimensional drawing



Photometric data



Polar Normal (separate) - BPP531I - 912300024411

