



Jargeau LED gen3

BDP651 LED50/830 II DM50 MK-BK PCC BALL

Jargeau LED gen3, Urban road & street light, 38 W, 3250 lm, 3000 K, CRI80, Distribution medium 50, Safety class II, IP66

Jargeau LED gen3 combines the iconic character of the first four-sided street lamps of the 19th century with the technical performance of 21st-century luminaires. Thanks to the energy-efficient LEDGINE-O engine, and wide range of high performance, application-tailored optics, Jargeau LED gen3 delivers the right amount light in the right direction on roads and streets, as well as offering excellent energy savings. Designed for installation at heights of four to six meters, this street lantern is well suited to urban landscapes and is ideal for illuminating city centers, historical areas, old villages, streets, alleys, squares and parks. Jargeau LED gen3 is also future ready with a choice of one or two Signify 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. This urban lighting solution can also be equipped with our dedicated light recipe that preserves dark skies. In addition, every Jargeau LED gen3 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 programming operations faster and easier, and enables you to create a digital library of lighting assets and spare parts.

Product data

General Information		Lighting Technology	
Lamp family code	LED50 [LED module 5000 lm]	Lighting Technology	LED
Light source replaceable	Yes	Value ladder	Performance
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes	Light Technical	
Light source engine type	LED	Upward light output ratio	0.01
Service tag	Yes	Luminous Flux	3,250 lm

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Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	86 lm/W
Color rendering index (CRI)	80
Light source color	830 warm white
Luminaire light beam spread	30° - 5° x 153°
Optic type outdoor	Distribution medium 50
Effective projected area	0.2 m²

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	38 W
Power Factor (Fraction)	0.97
Connection	Plug-in connector 2-pole Wieland/Adels compatible
Cable	-
Number of products on MCB of 16 A type B	11
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
DALI Standard	DALI-2™

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Black
Mounting device	-
Optical cover shape	-
Optical cover finish	Clear
Overall length	400 mm
Overall width	400 mm
Overall height	650 mm
Dimensions (Height x Width x Depth)	650 x 400 x 400 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Optical cover type	Polycarbonate bowl/cover clear
Net Weight (Piece)	9.400 kg

Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
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	(0.381, 0.379) 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	L97

Sustainability Data

Sustainability rating	Unclassified
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
Embedded carbon (A1-A3)	216 kg CO ₂ e
Product non-virgin material ratio	5.87 %
Recyclable content ratio of the finished product	55 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh)
GWP total B6 (kg CO ₂ eq) 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 ₂ eq / kWh)

Product Data

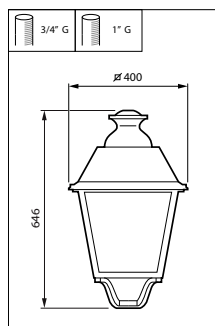
Order product name	BDP651 LED50/830 II DM50 MK-BK PCC BALL
Full product name	BDP651 LED50/830 II DM50 MK-BK PCC BALL
Full product code	871869989202900

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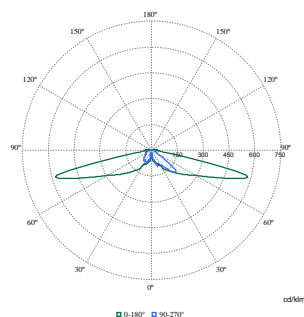
Order code	912300024529
Material Nr. (12NC)	912300024529
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699892029
Numerator - Packs per outer box	1

EAN/UPC - Case	8718699892029
Product family code	BDP651 [Jargeau LED gen3]

Dimensional drawing



Photometric data



Polar Normal (separate) - BDP768I - 912300024529

