Jargeau LED gen3

BDP651 LED50/830 II DM50 MK-BK PCC BALL

Jargeau LED gen3, LED module 5000 lm, 830 warm white, Safety class II, Distribution medium 50, Polycarbonate bowl/cover clear, Black

Jargeau LED gen3 combines the symbolic features of the first four-sided street lamps of the 19th century with the technical performance of 21st century luminaires. It incorporates the energy-efficient LEDGINE - O engine with high-performance optics, while at the same time retaining the character of the original four-sided fixture. Designed for installation at heights of 4-6 metres, this luminaire is well suited to urban landscapes and ideal for illuminating city centres, historical areas, old villages, streets, alleys, squares and parks. Thanks to the built-in Philips Ledgine optimised LED platform, and the wide range of available application-tailored optics, Jargeau LED gen3 delivers the right amount light and in the right direction on your street, enabling further energy savings. The luminaire comes with one or two Philips SR (System Ready) sockets, which makes the luminaire future-ready. What this means is that Jargeau LED gen3 is ready to be paired with both standalone and advanced control and lighting software applications such as Interact City from Signify. Next to this, each individual luminaire is uniquely identifiable, thanks to the Philips Service tag application. With a simple scan of a QR code, placed on the inside of the mast door or directly on the luminaire, you gain instant access to the luminaire configuration, making maintenance and programming operations faster and easier, and enabling you to create your digital library of lighting assets and spare parts. Jargeau LED gen3 can also be equipped with our dedicated light recipe that preserves a dark night sky.

Product data

General Information		Light source replaceable	Yes
Lamp family code	LED50 [LED module 5000 lm]	Number of gear units	Unit

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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	BDP651 [Jargeau LED gen3]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	–
ENEC mark	ENEC mark
EU RoHS compliant	Yes

Light Technical

Upwards light output ratio	0.01
Luminous Flux	3,250 lm
Standard tilt angle post-top	–
Standard tilt angle side entry	–
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	86 lm/W
Colour rendering index (CRI)	80
Light source colour	830 warm white
Optical cover type	Polycarbonate bowl/cover clear
Luminaire light beam spread	30° – 5° x 153°
Optic type outdoor	Distribution medium 50

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

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	Aluminium
Reflector material	–
Optic material	Polymethyl methacrylate

Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Housing Colour	Black
Mounting device	–
Optical cover/lens shape	–
Optical cover/lens finish	Clear
Overall length	400 mm
Overall width	400 mm
Overall height	650 mm
Effective projected area	0.2 m²
Dimensions (height x width x depth)	650 x 400 x 400 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class II
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

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

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	L97

Application Conditions

Performance ambient temperature Tq	25 °C

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 EOC	871869989202900
Order code	89202900
Material no. (12 NC)	912300024529
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699892029
Numerator – packs per outer box	1
EAN/UPC – Case	8718699892029

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Dimensional drawing

www.lighting.philips.com

2023, December 5 – data subject to change