



# Jargeau LED gen3

## BDP651 LED50/830 II DM50 PCC BALL 3/4 BK

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 colour	830 warm white
Lamp family code	LED50 [ LED module 5000 lm]	Light source replaceable	Yes

## Jargeau LED gen3

Number of gear units	1 unit
Driver/power unit/transformer	PSU [ Power supply unit]
Driver included	Yes
Optical cover/lens type	PCC [ Polycarbonate bowl/cover clear]
Luminaire light beam spread	30° - 5° x 153°
Connection	Plug-in connector 2-pole Wieland/Adels compatible
Cable	-
Protection class IEC	Safety class II
Flammability mark	NO [ -]
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Outdoor optic type	Distribution medium 50
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Constant light output	No
Number of products on MCB	11
EU RoHS compliant	Yes
LED engine type	LED
Product Family Code	BDP651 [ Jargeau LED gen3]

### Light Technical

Upward light output ratio	0.03
Standard tilt angle post-top	0°
Standard tilt angle side entry	-

### Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power factor (min.)	0.97

### Controls and Dimming

Dimmable	No
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### Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Mounting device	No [ -]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear

Overall length	400 mm
Overall width	400 mm
Overall height	650 mm
Effective projected area	0.2 m²
Colour	Black
Dimensions (height x width x depth)	650 x 400 x 400 mm (25.6 x 15.7 x 15.7 in)

### Approval and Application

Ingress protection code	IP66 [ Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [ 10 J]
Surge protection (common/differential)	Philips standard surge protection level kV

### Initial Performance (IEC Compliant)

Initial luminous flux	3250 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	87 lm/W
Init. Corr. Colour Temperature	3000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.381, 0.379) SDCM <5
Initial input power	37.5 W
Power consumption tolerance	+/-11%

### 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

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C

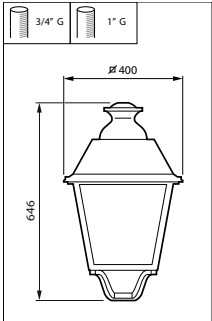
### Product Data

Full product code	871869989202900
Order product name	BDP651 LED50/830 II DM50 PCC BALL 3/4 BK
EAN/UPC – product	8718699892029
Order code	89202900
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	912300024529
Net weight (piece)	9.025 kg



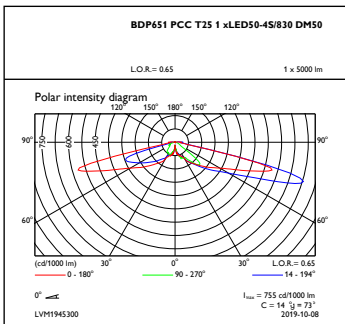
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## Dimensional drawing

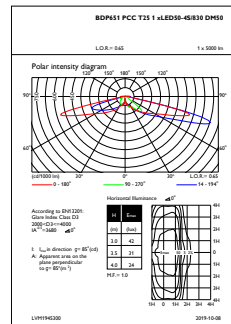


Jargeau 400 LED BPP641/BSP641

## Photometric data



OFPC1\_BDP651PCCT251xLED50-4S830DM50



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