



Jargeau LED gen3

BDP651 LW LED50/830 II DM50 MK-BK PCC BA

Jargeau LED gen3, LED module 5000 lm, 830 warm white, Safety class II, Distribution medium 50, Polycarbonate bowl/ cover clear, Black, Post-top for diameter 60 mm

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

Datasheet, 2023, December 5 data subject to change

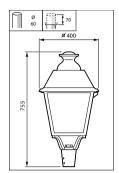
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Driver included	Yes	Optical o
Remarks	* At extreme ambient temperatures the	Fixation
	luminaire might automatically dim down to	Housing
	protect components	Mountin
Light source engine type	LED	Optical
Product family code	BDP651 [Jargeau LED gen3]	Optical
Lighting Technology	LED	Overall
Value ladder	Performance	Overall
CE mark	Yes	Overall
Warranty period	5 years	Effective
Flammability mark	-	Dimensi
ENEC mark	ENEC mark	
EU RoHS compliant	Yes	Approv
		Ingress
Light Technical		
Upwards light output ratio	0.01	Mech. ir
Luminous Flux	3,250 lm	Surge P
Standard tilt angle post-top	-	
Standard tilt angle side entry	-	Sustaina
Correlated Colour Temperature	3000 K	Protecti
Luminous efficacy (rated) (nom.)	86 lm/W	Photobi
Colour rendering index (CRI)	80	
Light source colour	830 warm white	
Optical cover type	Polycarbonate bowl/cover clear	Initial I
Luminaire light beam spread	30° - 5° x 153°	Lumino
Optic type outdoor	Distribution medium 50	Initial cl
		Power c
Operating and Electrical		Init. Col
Input Voltage	220 to 240 V	
Line Frequency	50 to 60 Hz	Over T
Inrush current	46 A	Control
Inrush time	0.25 ms	life 100
Power Consumption	38 W	Lumen
Power Factor (Fraction)	0.97	100,000
Connection	Plug-in connector 2-pole Wieland/Adels	
	compatible	Applica
Cable	-	Perform
Number of products on MCB of 16 A type B	11	
		Produc
Temperature		Order p
Ambient temperature range	-40 to +50 °C	
		Full pro
Controls and Dimming		
Dimmable	No	Full EO
Driver/power unit/transformer	Power supply unit (On/Off)	Order co
Control interface		Materia
	No	SAP nur
Constant light output	·	EAN/UF
Constant light output		
Mechanical and Housing	Aluminium	Numera
Mechanical and Housing Housing material	Aluminium	Numera
Mechanical and Housing	Aluminium - Polymethyl methacrylate	Numerate EAN/UP

Optical cover/lens material Fixation material Housing Colour	Polycarbonate
	Folycarbonate
Housing Colour	Aluminium
	Black
Mounting device	Post-top for diameter 60 mm
Optical cover/lens shape	-
Optical cover/lens finish	Clear
Overall length	400 mm
Overall width	400 mm
Overall height	753 mm
Effective projected area	0.2 m²
Dimensions (height x width x depth)	753 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 Complia	int)
Control gear failure rate at median useful	10 %
life 100,000 h	
Lumen maintenance at median useful life*	L97
100,000 h	
Application Conditions	
Application Conditions Performance ambient temperature Tq	25 ℃
	25 °C
	25 °C
Performance ambient temperature Tq	
Performance ambient temperature Tq Product Data	25 °C BDP651 LW LED50/830 II DM50 MK-BK PCC BA
Performance ambient temperature Tq Product Data Order product name	BDP651 LW LED50/830 II DM50 MK-BK PCC BA
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Performance ambient temperature Tq Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack	BDP651 LW LED50/830 II DM50 MK-BK PCC BA BDP651 LW LED50/830 II DM50 MK-BK PCC BA 871869988102300 88102300 912300024425 1
Performance ambient temperature Tq Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack EAN/UPC — Product/Case	BDP651 LW LED50/830 II DM50 MK-BK PCC BA BDP651 LW LED50/830 II DM50 MK-BK PCC BA 871869988102300 88102300 912300024425
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Dimensional drawing





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