



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

Philips 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 Philips 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 Philips 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 | | Remarks |
|--------------------------|----------------------------|--|
| Lamp family code | LED50 [LED module 5000 lm] | * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Light source replaceable | Yes | |
| Number of gear units | 1 unit | Light source engine type LED |
| Driver included | Yes | Service tag Yes |

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|---------------------|---------------------------|
| 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

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|------------------------------------|--------------------------------|
| Upward light output ratio | 0.01 |
| Luminous Flux | 3,250 lm |
| Standard tilt angle posttop | - |
| Standard tilt angle side entry | - |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 86 lm/W |
| Color rendering index (CRI) | 80 |
| Light source color | 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

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|--|---|
| 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

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|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |
| Constant light output | No |

Mechanical and Housing

| | |
|------------------------|-------------------------|
| Housing Material | Aluminum |
| Reflector material | - |
| Optic material | Polymethyl methacrylate |
| Optical cover material | Polycarbonate |
| Fixation material | Aluminum |
| Housing Color | Black |

| | |
|-------------------------------------|-----------------------------|
| Mounting device | Post-top for diameter 60 mm |
| Optical cover shape | - |
| Optical cover finish | Clear |
| Overall length | 400 mm |
| Overall width | 400 mm |
| Overall height | 753 mm |
| Effective projected area | 0.2 m ² |
| Dimensions (Height x Width x Depth) | 753 x 400 x 400 mm |

Approval and Application

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|--|--|
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK09 [10 J] |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 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)

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|---------------------------------------|------------------------|
| 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)

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|--|------|
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 100000 h | L97 |

Application Conditions

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|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
|------------------------------------|-------|

Product Data

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|---------------------------------|--|
| Order product name | BDP651 LW LED50/830 II DM50 MK-BK PCC BA |
| Full product name | BDP651 LW LED50/830 II DM50 MK-BK PCC BA |
| Full product code | 871869988102300 |
| Order code | 912300024425 |
| Material Nr. (12NC) | 912300024425 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699881023 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718699881023 |

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Dimensional drawing

