



# Jargeau LED gen3

BSP651 LW LED50/830 II DM50 MK-BK PCC BA

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

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 programing 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] | Value ladder         | Performance  |
| Light source replaceable | Yes                        | Serviceability class | Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts |
| Number of gear units     | 1 unit                     | Warranty period      | 5 years  |
| Driver included          | Yes                        |                      |  |
| Light source engine type | LED                        |                      |  |
| Service tag              | Yes                        |                      |  |

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| Sustainability rating                    | Lighting for circularity   |
| <b>Light Technical</b>                   |  |
| Upward light output ratio                | 0.01   |
| Luminous Flux                            | 3,250 lm   |
| 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   |
| <b>Operating and Electrical</b>          |  |
| 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)   | Luminaire surge protection level until 6 kV differential mode and 8 kV common mode |
| <b>Controls and Dimming</b>              |  |
| Dimmable                                 | No   |
| Driver/power unit/transformer            | Power supply unit (On/Off)   |
| Control interface                        | -  |
| Constant light output                    | No   |
| <b>Mechanical and Housing</b>            |  |
| Housing Material                         | Aluminum   |
| Reflector material                       | -  |
| Optic material                           | Polymethyl methacrylate  |
| Optical cover material                   | Polycarbonate  |
| Fixation material                        | Aluminum   |
| Housing Color                            | Black  |
| Mounting device                          | Suspension set simple, standard  |
| Optical cover shape                      | -  |
| Optical cover finish                     | Clear  |
| Overall length                           | 400 mm   |
| Overall width                            | 400 mm   |
| Overall height                           | 692 mm   |
| Dimensions (Height x Width x Depth)      | 692 x 400 x 400 mm   |
| Ingress protection code                  | IP66 [Dust penetration-protected, jet-proof]                                       |

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| 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   |
| <b>Approval and Application</b>                          |  |
| 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  |
| <b>Initial Performance (IEC Compliant)</b>               |  |
| 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   |
| <b>Over Time Performance (IEC Compliant)</b>             |  |
| Control gear failure rate at median useful life 100000 h | 10 %   |
| Lumen maintenance at median useful life* 100000 h        | L97  |
| <b>Product Data</b>                                      |  |
| Order product name                                       | BSP651 LW LED50/830 II DM50 MK-BK PCC BA   |
| Full product name  | BSP651 LW LED50/830 II DM50 MK-BK PCC BA   |
| Full product code  | 871869988103000  |
| Order code   | 912300024426   |
| Material Nr. (12NC)                                      | 912300024426   |
| Numerator - Quantity Per Pack                            | 1  |
| EAN/UPC - Product/Case                                   | 8718699881030  |
| Numerator - Packs per outer box                          | 1  |
| EAN/UPC - Case   | 8718699881030  |
| Product family code                                      | BSP651 [Jargeau LED gen3]  |

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### Dimensional drawing

