



# Villa LED gen2

## BSP768 LED50/830 II DM50 MK-BK GF BALL 3

Villa LED gen2, Urban road & street light, 38 W, 3100 lm, 3000 K, CRI80, Distribution medium 50, Safety class II, IP66

Villa LED gen2 is designed to offer the perfect balance between heritage preservation and performance. Designed with the specific proportions and shape of the traditional four-sided luminaires originally used in Madrid in the 19th century, Villa LED gen2 is now widely used for street lighting in historical environments and traditional towns and villages across the Iberian Peninsula. Thanks to the LEDGINE-O engine, and the wide range of application-tailored optics, Villa LED gen2 delivers the right amount of light precisely where it is needed, enabling further energy savings. This urban lamp can even be equipped with our dedicated light recipe that preserves dark skies. Villa LED gen2 is also future ready with a choice of one or two 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. In addition, every Villa LED gen2 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		Lighting Technology	
Lamp family code	LED50 [LED module 5000 lm]	Lighting Technology	LED
Light source replaceable	Yes	Value ladder	Performance
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes	Light Technical	
Light source engine type	LED	Upward light output ratio	0.01
Service tag	Yes	Luminous Flux	3,100 lm

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Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	82 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

### 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
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode

### Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
DALI Standard	DALI-2™

### Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Black
Mounting device	Suspension set simple, standard
Optical cover shape	Flat
Optical cover finish	Frosted
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]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Optical cover type	Glass frosted
Net Weight (Piece)	9.400 kg

### Approval and Application

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
Ambient temperature range	-40 to +50 °C

### 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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L97

### Sustainability Data

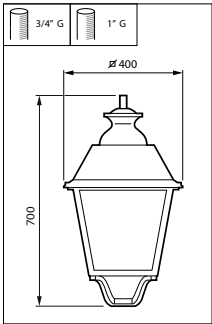
Sustainability rating	Unclassified
Embedded carbon (A1-A3)	174 kg CO <sub>2</sub> e
Product non-virgin material ratio	6.03 %
Recyclable content ratio of the finished product	58.5 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kWh)
GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kWh)

### Product Data

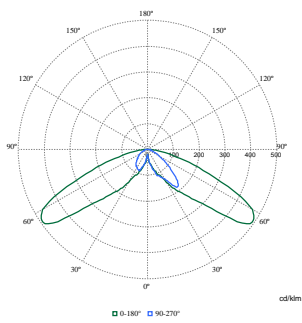
Order product name	BSP768 LED50/830 II DM50 MK-BK GF BALL 3
Full product name	BSP768 LED50/830 II DM50 MK-BK GF BALL 3
Full product code	871951424232600
Order code	24232600
Material Nr. (12NC)	912300060153
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514242326
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514242326
Product family code	BSP768 [Villa LED gen2]

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - BDP7681 - 912300060153

