



Villa LED

BDP765 LED90-4S/830 PSR DM50 BK D4 50%

VILLA LED - LED module 9000 lm - 4th generation, screw fixation - 830 warm white - Power supply unit regulating - Safety class I (I) - Distribution medium 50 - Flat glass - Black - Dimming via SDU01S (ON= maximum output level) - 50% - 25 °C

Villa LED retains the specific proportions and shape of the traditional four-sided luminaires originally used in 19th-century Madrid. It allows a remarkable balance between performance and heritage preservation. Now widely used across the Iberian Peninsula, Villa LED is suitable for lighting historical environments and traditional towns and villages. Villa LED also allows municipalities to enjoy the benefits of the latest technologies developed by Philips Lighting, including the CityTouch connected lighting system. Villa LED is also equipped with a dedicated light recipe that preserves a dark night sky.

Product data

General Information		Light regulation	
Number of light sources	40 [40 pcs]	Light regulation	Dimming via SDU01S (ON= maximum output level)
Lamp family code	LED90 [LED module 9000 lm]	Connection	SCREW [Screw connector]
Lamp version	4S [4th generation, screw fixation]	Cable	-
Light source colour	830 warm white	Protection class IEC	Safety class I (I)
Light source replaceable	Yes	Flammability mark	NO [-]
Number of gear units	1 unit	CE mark	CE mark
Driver/power unit/transformer	PSR [Power supply unit regulating]	ENEC mark	ENEC mark
Driver included	Yes	UL mark	-
Optical cover/lens type	FG [Flat glass]	Warranty period	5 years
Luminaire light beam spread	30° - 5° x 153°	Outdoor optic type	Distribution medium 50
Control interface	Analog	Light regulation percentage	50%

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Remarks	* -Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components
Constant light output	No
Spare parts available	Yes
Number of products on MCB	9
RoHS mark	RoHS mark
WEEE mark	WEEE mark
LED engine type	LED
Product Family Code	BDP765 [VILLA LED]

Light Technical

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

Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Inrush current	80 A
Inrush time	0.15 ms
Driver current	650 mA
Power factor (min.)	0.87
Power factor (nom.)	0.99

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing material	Aluminum
Reflector material	Glass
Optic material	Polymethyl methacrylate
Optical cover/lens material	Glass
Fixation material	Aluminum
Mounting device	DEF1 [Decorative frog version 1]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear

Overall length	440 mm
Overall width	440 mm
Overall height	764 mm
Effective projected area	0.26 m ²
Colour	Black

Approval and Application

Ingress protection code	IP44 [Wire-protected, splash-proof]
Mech. impact protection code	IK09 [10 J]
Surge protection (common/differential)	Surge protection level until 10 kV

Initial Performance (IEC Compliant)

Initial luminous flux	7020 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	102 lm/W
Init. Corr. colour temperature	3000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.381, 0.379) SDCM <5
Initial input power	69 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L89

Application Conditions

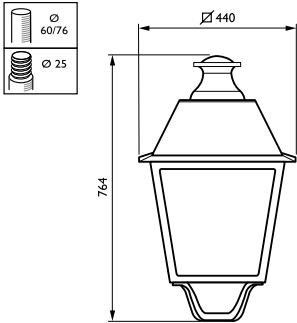
Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C

Product Data

Full product code	871869908978800
Order product name	BDP765 LED90-4S/830 PSR DM50 BK D4 50%
EAN/UPC – product	8718699089788
Order code	08978800
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	912300023468
Net weight (piece)	10.930 kg

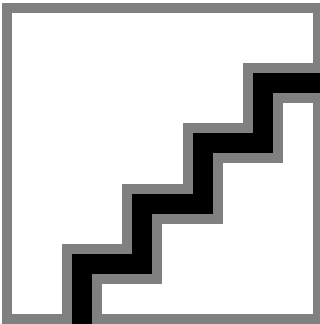
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Dimensional drawing

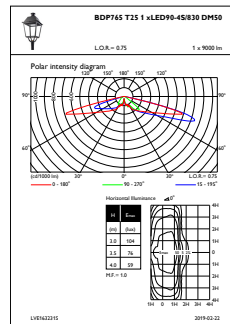


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Photometric data



OFPC1_BDP765T251xLED90-4S830DM50



OFPL1_BDP765T251xLED90-4S830DM50

