



Villa LED

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

VILLA LED, LED module 9000 lm, 830 warm white, Power supply unit regulating, Safety class I, Distribution medium 50, Flat glass, Black

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 dedicated light recipe that preserves a dark night sky.

Product data

General Information			
Lamp family code	LED90 [LED module 9000 lm]		might automatically dim down to protect components
Light source replaceable	Yes	Light source engine type	LED
Number of gear units	1 unit	Product family code	BDP765 [VILLA LED]
Driver included	Yes	Lighting Technology	LED
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	CE mark	Yes
		Warranty period	5 years
		Flammability mark	-
		ENEC mark	ENEC mark
		EU RoHS compliant	Yes
		Light Technical	
		Upward light output ratio	0.03
		Luminous Flux	7,020 lm

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Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	102 lm/W
Color rendering index (CRI)	≥80
Number of light sources	40
Light source color	830 warm white
Optical cover type	Flat glass
Luminaire light beam spread	30° - 5° x 153°
Optic type outdoor	Distribution medium 50

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	80 A
Inrush time	0.15 ms
Power Consumption	69 W
Power Factor (Fraction)	0.99
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type B	9

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	Analog
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	Glass
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Black
Mounting device	Decorative frog version 1
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	440 mm

Overall width	440 mm
Overall height	764 mm
Effective projected area	0.26 m²
Dimensions (Height x Width x Depth)	764 x 440 x 440 mm

Approval and Application

Ingress protection code	IP44 [Wire-protected, splash-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode
Protection class IEC	Safety class I

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 Compliant)

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

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	50%

Product Data

Order product name	BDP765 LED90-4S/830 PSR DM50 BK D4 50%
Full product name	BDP765 LED90-4S/830 PSR DM50 BK D4 50%
Full product code	871869908978800
Order code	08978800
Material Nr. (12NC)	912300023468
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699089788
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699089788

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Dimensional drawing

