



Villa LED

BDP765 LED50-4S/740 PSU II DS50 GF BK

VILLA LED, LED module 5000 lm, 740 neutral white, Power supply unit (On/Off), Safety class II, Distribution symmetrical 50, Glass frosted, 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	LED50 [LED module 5000 lm]	might automatically dim down to protect components	
Light source replaceable	Yes	Light source engine type	
Number of gear units	1 unit	LED	
Driver included	Yes	Product family code	
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	BDP765 [VILLA LED]	
		Lighting Technology	
		LED	
		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	
		2,600 lm	

Villa LED

Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	85 lm/W
Color rendering index (CRI)	≥70
Number of light sources	30
Light source color	740 neutral white
Optical cover type	Glass frosted
Luminaire light beam spread	152° x 155°
Optic type outdoor	Distribution symmetrical 50

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	30.5 W
Power Factor (Fraction)	0.94
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	No
Driver/power unit/transformer	Power supply unit (On/Off)
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	Frosted

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 II

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	L94

Application Conditions

Performance ambient temperature Tq	25 °C
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Product Data

Order product name	BDP765 LED50-4S/740 PSU II DS50 GF BK
Full product name	BDP765 LED50-4S/740 PSU II DS50 GF BK
Full product code	871869908974000
Order code	08974000
Material Nr. (12NC)	912300023464
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699089740
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699089740

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Dimensional drawing

