



# 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]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
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. $^{\ast}$ At
	extreme ambient temperatures the luminaire

	might automatically dim down to protect
	components
Light source engine type	LED
Product family code	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

Datasheet, 2023, April 30 data subject to change

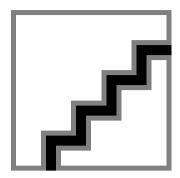
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Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	85 lm/W
Color rendering index (CRI)	≥70
Number of light sources	30
Light source color	740 neutral white
Optical 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 typ	<b>e</b> 9
В	
Temperature	
Ambient temperature range	-40 to +50 °C
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 Comp	liant)
Control gear failure rate at median	10 %
useful life 100000 h	
Lumen maintenance at median useful	L94
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
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





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