



# Villa LED

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

VILLA LED - LED module 5000 lm - 4th generation, screw fixation - 740 neutral white - Power supply unit - Safety class II (II) - Distribution symmetrical 50 - Glass frosted - Black - 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		Flammability mark	NO [-]
Number of light sources	30 [ 30 pcs]	CE mark	CE mark
Lamp family code	LED50 [ LED module 5000 lm]	ENEC mark	ENEC mark
Lamp version	4S [ 4th generation, screw fixation]	UL mark	-
Light source colour	740 neutral white	Warranty period	5 years
Light source replaceable	Yes	Outdoor optic type	Distribution symmetrical 50
Number of gear units	1 unit	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
Driver/power unit/transformer	PSU [ Power supply unit]		
Driver included	Yes		
Optical cover/lens type	GF [ Glass frosted]		
Luminaire light beam spread	152° x 155°		
Connection	SCREW [ Screw connector]		
Cable	-		
Protection class IEC	Safety class II (II)		

# Villa LED

	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	46 A
Inrush time	0.25 ms
Driver current	362 mA
Power factor (min.)	0.94
Power factor (nom.)	0.89

## Controls and Dimming

Dimmable	No
----------	----

## 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	Frosted
Overall length	440 mm
Overall width	440 mm
Overall height	764 mm
Effective projected area	0.26 m <sup>2</sup>

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	2600 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	85 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	≥70
Initial chromaticity	(0.381, 0.379) SDCM <5
Initial input power	30.5 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	L94

## Application Conditions

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

## Product Data

Full product code	871869908974000
Order product name	BDP765 LED50-4S/740 PSU II DS50 GF BK
EAN/UPC – product	8718699089740
Order code	08974000
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	912300023464
Net weight (piece)	10.930 kg

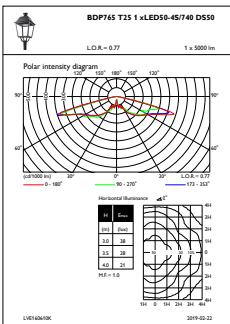
# Villa LED

## Dimensional drawing

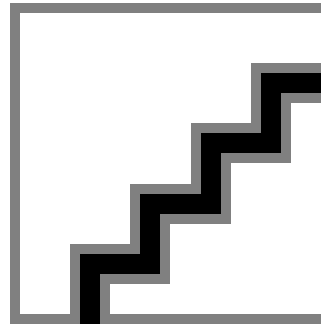


Villa LED BDP765/BSP765

## Photometric data



OFPL1\_BDP765T251xLED50-4S740DS50



OFPC1\_BDP765T251xLED50-4S740DS50

