



# Villa LED

## BSP765 LED80-4S/740 PSD DM50 BK D9

VILLA LED - LED module 8000 lm - 4th generation, screw fixation - 740 neutral white - Power supply unit with DALI interface - Safety class I (I) - Distribution medium 50 - Flat glass - Black - Dimming via external communication DALI - 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		Connection	
Number of light sources	40 [ 40 pcs]	Connection	SCREW [ Screw connector]
Lamp family code	LED80 [ LED module 8000 lm]	Cable	-
Lamp version	4S [ 4th generation, screw fixation]	Protection class IEC	Safety class I (I)
Light source colour	740 neutral white	Flammability mark	NO [ -]
Light source replaceable	Yes	CE mark	CE mark
Number of gear units	1 unit	ENEC mark	ENEC mark
Driver/power unit/transformer	PSD [ Power supply unit with DALI interface]	UL mark	-
Driver included	Yes	Warranty period	5 years
Optical cover/lens type	FG [ Flat glass]	Outdoor optic type	Distribution medium 50
Luminaire light beam spread	30° - 5° x 153°	Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance
Control interface	DALI		
Light regulation	Dimming via external communication DALI		

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	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
EU RoHS compliant	Yes
WEEE mark	WEEE mark
LED engine type	LED
Product Family Code	BSP765 [ 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	445 mA
Power factor (min.)	0.91
Power factor (nom.)	0.96

## 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	Aluminium
Mounting device	SMS [ Suspension set simple, standard]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	440 mm
Overall width	440 mm
Overall height	771 mm

Effective projected area	0.26 m <sup>2</sup>
Colour	Black
Dimensions (height x width x depth)	771 x 440 x 440 mm (30.4 x 17.3 x 17.3 in)

## 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	6400 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	133 lm/W
Init. Corr. Colour Temperature	4000 K
Init. colour rendering index	≥70
Initial chromaticity	(0.381, 0.379) SDCM <5
Initial input power	48 W
Power consumption tolerance	+/-11%

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L92

## Application Conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	10%

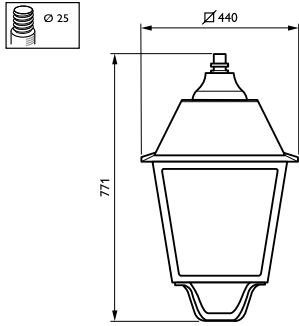
## Product Data

Full product code	871869908983200
Order product name	BSP765 LED80-4S/740 PSD DM50 BK D9
EAN/UPC – product	8718699089832
Order code	08983200
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	912300023473
Net weight (piece)	10.930 kg



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### Dimensional drawing



Villa LED BDP765/BSP765

