# **PHILIPS** Lighting



# Villa LED

# BSP765 LED40-4S/830 PSD DN10 BK D9

VILLA LED, LED module 4000 lm, 830 warm white, Power supply unit with DALI interface, Safety class I, Distribution narrow 10, 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	LED40 [LED module 4000 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. * At
	extreme ambient temperatures the luminaire

	might automatically dim down to protect
	components
Light source engine type	LED
Product family code	BSP765 [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	3,080 lm

### Villa LED

Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	103 lm/W
Color rendering index (CRI)	≥80
Number of light sources	30
Light source color	830 warm white
Optical cover type	Flat glass
Luminaire light beam spread	26° - 7° x 157°
Optic type outdoor	Distribution narrow 10

#### **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 W
Power Factor (Fraction)	0.89
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type	11

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#### Temperature

Ambient temperature range
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Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

-40 to +50 °C

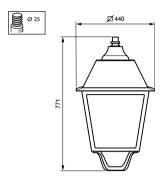
#### Mechanical and Housing

Housing Material	Aluminum
Reflector material	Glass
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Black
Mounting device	Suspension set simple, standard
Optical cover shape	Flat
Optical cover finish	Clear

Overall length	440 mm
Overall width	440 mm
Overall height	771 mm
Effective projected area	0.26 m²
Dimensions (Height x Width x Depth)	771 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 Comp Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	10%
Product Data	
Order product name	BSP765 LED40-4S/830 PSD DN10 BK D9
Full product name	BSP765 LED40-4S/830 PSD DN10 BK D9
Full product code	871869908980100
Order code	08980100
Material Nr. (12NC)	912300023470
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699089801
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699089801

## Villa LED

#### Dimensional drawing





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