Villa LED

BDP765 LED14-4S/830 PSDD DS50 BK DDF27 D

VILLA LED, LED module 1400 lm, 830 warm white, Power supply unit with DynaDimmer, Safety class I, Distribution symmetrical 50, Flat glass, Black, DynaDimmer with fixed presets version 27

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	LED14 [LED module 1400 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.
Light source engine type	LED

Product family code	BDP765 [VILLA LED]
Lighting Technology	LED
Embedded control	DynaDimmer with fixed presets version 27
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	1,134 lm
Standard tilt angle posttop	0°

Villa LED

Standard tilt angle side entry	0°		Overall width	440 mm
Correlated Color Temperature (Nom)	3000 K		Overall height	764 mm
Luminous Efficacy (rated) (Nom)	89 lm/W		Effective projected area	0.26 m²
Color rendering index (CRI)	≥80		Dimensions (Height x Width x Depth)	764 x 440 x 440 mm
Number of light sources	12			
Light source color	830 warm white		**Approval and Application**	
Optical cover type	Flat glass		Ingress protection code	IP44 [Wire-protected, splash-proof]
Luminaire light beam spread	152° x 155°		Mech. impact protection code	IK09 [10 J]
Optic type outdoor	Distribution symmetrical 50		Surge Protection (Common/Differential)	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode
Operating and Electrical			Protection class IEC	Safety class I
Input Voltage	220 to 240 V			
Line Frequency	50 to 60 Hz		**Initial Performance (IEC Compliant)**	
Inrush current	22 A		Luminous flux tolerance	+/-7%
Inrush time	0.29 ms		Initial chromaticity	(0.381, 0.379) SDCM <5
Power Consumption	12.8 W		Power consumption tolerance	+/-10%
Power Factor (Fraction)	0.81		Init. Color Rendering Index Tolerance	+/-2
Connection	Screw connector			
Cable	–		**Over Time Performance (IEC Compliant)**	
Number of products on MCB of 16 A type B	20		Control gear failure rate at median useful life 100000 h	10 %
			Lumen maintenance at median useful life* 100000 h	L96
Temperature				
Ambient temperature range	–40 to +50 °C		**Application Conditions**	
			Performance ambient temperature Tq	25 °C
Controls and Dimming				
Dimmable	No		**Product Data**	
Driver/power unit/transformer	Power supply unit with DynaDimmer		Order product name	BDP765 LED14-4S/830 PSDD DS50 BK DDF27 D
Constant light output	No		Full product name	BDP765 LED14-4S/830 PSDD DS50 BK DDF27 D
Mechanical and Housing			Full product code	871869908975700
Housing Material	Aluminum		Order code	912300023465
Reflector material	Glass		Material Nr. (12NC)	912300023465
Optic material	Polymethyl methacrylate		Numerator – Quantity Per Pack	1
Optical cover material	Glass		EAN/UPC – Product/Case	8718699089757
Fixation material	Aluminum		Numerator – Packs per outer box	1
Housing Color	Black		EAN/UPC – Case	8718699089757
Mounting device	Decorative frog version 1			
Optical cover shape	Flat			
Optical cover finish	Clear			
Overall length	440 mm			

Villa LED

Dimensional drawing

www.lighting.philips.com

2023, September 4 – data subject to change