



# Iconic Iberian four-sided luminaire

## Villa LED

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.

### Benefits

- Iconic luminaire that fits both contemporary and historical environments
- Easy to maintain; long life of the LED engine
- Complete lighting solution with a variety of brackets and columns

### Features

- Historical shape
- Energy-efficient luminaire
- Variety of mounting options: luminaire can be combined with different columns, brackets and multiple-arm brackets

### Application

- Main urban roads and streets
- Side and residential roads and streets
- City centers and historical areas
- Cycle and pedestrian paths
- Parking areas
- Squares, parks and playgrounds

### Specifications

# Villa LED

<b>Type</b>	BDP765 (post-top version) BSP765 (suspended version)
<b>Light source</b>	Integral LED-module
<b>Power</b>	Up to 79 W depending on configuration
<b>Luminous flux</b>	500 - 6800 (warm white), 500 - 7700 (neutral white) depending on configuration
<b>Luminaire efficacy</b>	Up to 122 lm/W
<b>Correlated Color</b>	3000 - 4000 K
<b>Temperature</b>	
<b>Color Rendering Index</b>	80 - 70
<b>Lumen maintenance at median useful life*</b>	up to L95
<b>100000 h</b>	
<b>Control gear failure rate at median useful life</b>	10%
<b>100000 h</b>	
<b>Performance Ambient Temperature Tq</b>	+25 °C
<b>Operating temperature range</b>	-25 to +35 °C

<b>Driver</b>	Built-in (self ballasted LED-module) Philips Xitanium Driver
<b>Mains voltage</b>	220-240 V / 50-60 Hz
<b>Dimming</b>	LumiStep (LS), DynaDimmer (DDF), LineSwitch (D11), Starsense RF Wireless and CityTouch Ready, Photocell, MiniCell 35, 55, 75 lux)
<b>Optic</b>	Distribution Medium (DM, DN), Pedestrian Crossing, Symmetrical, Wide and Extra Wide, Louver Tempered flat glass, clear or frosted
<b>Material</b>	Housing: high-pressure aluminum Glass: thermally hardened, 5 mm thick
<b>Color</b>	Black N9 (MN332L) Other RAL or AKZO Futura colors available on request
<b>Maintenance</b>	Light module exchangeable by opening clip of the canopy
<b>Installation</b>	
	Post Top: 60 and 76 mm spigot, solid and open frog
	Suspended 3/4 or 1'G
	Recommended mounting height: 4 - 6 m
	Weight: 10.5 kg max
	Max SCx: 0.26 m²

## Versions



Villa LED BDP765 urban-lighting luminaire, post-top version



Villa LED BSP765 urban-lighting luminaire, suspended version

## Product details



Open frog



Adaptor for post-top mounting, Ø 60 or 76 mm

# Villa LED

## Product details



Gear tray access



Flat glass



LED module



Chimney



Canopy

## Approval and Application

Mech. impact protection code	IK09
Surge Protection (Common/Differential)	Surge protection level until 10 kV

## General Information

CE mark	CE mark
Driver included	Yes
Flammability mark	NO
Light source replaceable	Yes
Lamp version	4S
Number of gear units	1 unit
Product Family Code	BDP765
UL mark	-

## Light Technical

Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0.03

## Mechanical and Housing

Color	Black
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## Application Conditions

Order Code	Full Product Name	Maximum dim level
08974000	BDP765 LED50-4S/740 PSU II DS50 GF BK	-
08977100	BDP765 LED69-4S/830 PSU II DM50 GF BK	-
08980100	BSP765 LED40-4S/830 PSD DN10 BK D9	10%
08983200	BSP765 LED80-4S/740 PSD DM50 BK D9	10%

## Controls and Dimming

Order Code	Full Product Name	Dimmable
08974000	BDP765 LED50-4S/740 PSU II DS50 GF BK	No
08977100	BDP765 LED69-4S/830 PSU II DM50 GF BK	No

Order Code	Full Product Name	Dimmable
08980100	BSP765 LED40-4S/830 PSD DN10 BK D9	Yes
08983200	BSP765 LED80-4S/740 PSD DM50 BK D9	Yes

## Operating and Electrical

Order Code	Full Product Name	Driver current
08974000	BDP765 LED50-4S/740 PSU II DS50 GF BK	362 mA
08977100	BDP765 LED69-4S/830 PSU II DM50 GF BK	670 mA

Order Code	Full Product Name	Driver current
08980100	BSP765 LED40-4S/830 PSD DN10 BK D9	355 mA
08983200	BSP765 LED80-4S/740 PSD DM50 BK D9	445 mA

## General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Optical cover/ lens type	Lamp family code
08974000	BDP765 LED50-4S/740 PSU II DS50 GF BK	152° x 155°	740 neutral white	GF	LED50
08977100	BDP765 LED69-4S/830 PSU II DM50 GF BK	30° - 5° x 153°	830 warm white	GF	LED69

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Optical cover/ lens type	Lamp family code
08980100	BSP765 LED40-4S/830 PSD DN10 BK D9	26° - 7° x 157°	830 warm white	FG	LED40
08983200	BSP765 LED80-4S/740 PSD DM50 BK D9	30° - 5° x 153°	740 neutral white	FG	LED80

## General Information (2/2)

## Villa LED

Order Code	Full Product Name	Number of	
		light sources	Optic type
08974000	BDP765 LED50-4S/740 PSU II DS50 GF BK	30	Distribution symmetrical 50
08977100	BDP765 LED69-4S/830 PSU II DM50 GF BK	30	Distribution medium 50

Order Code	Full Product Name	Number of	
		light sources	Optic type
08980100	BSP765 LED40-4S/830 PSD DN10 BK D9	30	Distribution narrow 10
08983200	BSP765 LED80-4S/740 PSD DM50 BK D9	40	Distribution medium 50

### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color	
			Rendering Index	Initial luminous flux
08974000	BDP765 LED50-4S/740 PSU II DS50 GF BK	4000 K	≥70	2600 lm
08977100	BDP765 LED69-4S/830 PSU II DM50 GF BK	3000 K	≥80	3640 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color	
			Rendering Index	Initial luminous flux
08980100	BSP765 LED40-4S/830 PSD DN10 BK D9	3000 K	≥80	3080 lm
08983200	BSP765 LED80-4S/740 PSD DM50 BK D9	4000 K	≥70	6400 lm

