



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
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

Features

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

Villa LED

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

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

Driver	Built-in (self ballasted LED-module) Philips Xitanium Driver
Mains voltage	220-240 V / 50-60 Hz
Dimming	LumiStep (LS), DynaDimmer (DDF), LineSwitch (D11), Starsense RF Wireless and CityTouch Ready, Photocell, MiniCell 35, 55, 75 lux)
Optic	Distribution Medium (DM, DN), Pedestrian Crossing, Symmetrical, Wide and Extra Wide, Louver Tempered flat glass, clear or frosted
Material	Housing: high-pressure aluminum Glass: thermally hardened, 5 mm thick
Color	Black N9 (MN332L) Other RAL or AKZO Futura colors available on request
Maintenance	Light module exchangeable by opening clip of the canopy
Installation	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

Villa LED

Product details



Open frog



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



Gear tray access



Flat glass



LED module



Chimney



Canopy

Approval and Application

Mech. impact protection code	IK09
Surge Protection (Common/Differential)	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode

General Information

CE mark	CE mark
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	-
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
-------	-------

Application Conditions

Order Code	Full Product Name	Maximum dim level
912300023464	BDP765 LED50-4S/740 PSU II DS50 GF BK	-
912300023467	BDP765 LED69-4S/830 PSU II DM50 GF BK	-
912300023468	BDP765 LED90-4S/830 PSR DM50 BK D4 50%	50%
912300023470	BSP765 LED40-4S/830 PSD DN10 BK D9	10%
912300023471	BSP765 LED60-4S/740 PSD DW50 GF BK D9	10%
912300023472	BSP765 LED74-4S/740 PSD DM50 GF BK D9	10%
912300023473	BSP765 LED80-4S/740 PSD DM50 BK D9	10%

Controls and Dimming

Order Code	Full Product Name	Dimmable
912300023464	BDP765 LED50-4S/740 PSU II DS50 GF BK	No
912300023467	BDP765 LED69-4S/830 PSU II DM50 GF BK	No
912300023468	BDP765 LED90-4S/830 PSR DM50 BK D4 50%	Yes
912300023470	BSP765 LED40-4S/830 PSD DN10 BK D9	Yes

Order Code	Full Product Name	Dimmable
912300023471	BSP765 LED60-4S/740 PSD DW50 GF BK D9	Yes
912300023472	BSP765 LED74-4S/740 PSD DM50 GF BK D9	Yes
912300023473	BSP765 LED80-4S/740 PSD DM50 BK D9	Yes

Operating and Electrical

Order Code	Full Product Name	Driver current
912300023464	BDP765 LED50-4S/740 PSU II DS50 GF BK	362 mA
912300023467	BDP765 LED69-4S/830 PSU II DM50 GF BK	670 mA
912300023468	BDP765 LED90-4S/830 PSR DM50 BK D4 50%	650 mA
912300023470	BSP765 LED40-4S/830 PSD DN10 BK D9	355 mA

Order Code	Full Product Name	Driver current
912300023471	BSP765 LED60-4S/740 PSD DW50 GF BK D9	320 mA
912300023472	BSP765 LED74-4S/740 PSD DM50 GF BK D9	563 mA
912300023473	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
912300023464	BDP765 LED50-4S/740 PSU II DS50 GF BK	152° x 155°	740 neutral white	Glass frosted	LED50

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Optical cover/ lens type	Lamp family code
912300023467	BDP765 LED69-4S/830 PSU II DM50 GF BK	30° - 5° x 153°	830 warm white	Glass frosted	LED69

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Optical cover/ lens type	Lamp family code
912300023468	BDP765 LED90-4S/830 PSR DM50 BK D4 50%	30° - 5° x 153°	830 warm white	Flat glass	LED90
912300023470	BSP765 LED40-4S/830 PSD DN10 BK D9	26° - 7° x 157°	830 warm white	Flat glass	LED40
912300023471	BSP765 LED60-4S/740 PSD DW50 GF BK D9	23° - 8° x 152°	740 neutral white	Glass frosted	LED60

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Optical cover/ lens type	Lamp family code
912300023472	BSP765 LED74-4S/740 PSD DM50 GF BK D9	30° - 5° x 153°	740 neutral white	Glass frosted	LED74
912300023473	BSP765 LED80-4S/740 PSD DM50 BK D9	30° - 5° x 153°	740 neutral white	Flat glass	LED80

General Information (2/2)

Order Code	Full Product Name	Light regulation percentage	Number of light sources	Optic type
912300023464	BDP765 LED50-4S/740 PSU II DS50 GF BK	-	30 pcs	Distribution symmetrical 50
912300023467	BDP765 LED69-4S/830 PSU II DM50 GF BK	-	30 pcs	Distribution medium 50
912300023468	BDP765 LED90-4S/830 PSR DM50 BK D4 50%	50%	40 pcs	Distribution medium 50
912300023470	BSP765 LED40-4S/830 PSD DN10 BK D9	-	30 pcs	Distribution narrow 10

Order Code	Full Product Name	Light regulation percentage	Number of light sources	Optic type
912300023471	BSP765 LED60-4S/740 PSD DW50 GF BK D9	-	40 pcs	Distribution wide 50
912300023472	BSP765 LED74-4S/740 PSD DM50 GF BK D9	-	30 pcs	Distribution medium 50
912300023473	BSP765 LED80-4S/740 PSD DM50 BK D9	-	40 pcs	Distribution medium 50

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
912300023464	BDP765 LED50-4S/740 PSU II DS50 GF BK	4000 K	≥70	2600 lm
912300023467	BDP765 LED69-4S/830 PSU II DM50 GF BK	3000 K	≥80	3640 lm
912300023468	BDP765 LED90-4S/830 PSR DM50 BK D4 50%	3000 K	≥80	7020 lm
912300023470	BSP765 LED40-4S/830 PSD DN10 BK D9	3000 K	≥80	3080 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
912300023471	BSP765 LED60-4S/740 PSD DW50 GF BK D9	4000 K	≥70	3120 lm
912300023472	BSP765 LED74-4S/740 PSD DM50 GF BK D9	4000 K	≥70	3848 lm
912300023473	BSP765 LED80-4S/740 PSD DM50 BK D9	4000 K	≥70	6400 lm

