



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* | up to L95 |
| 100000 h | |
| Control gear failure rate at median useful life | 10% |
| 100000 h | |
| 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



Villa_LED-BDP765-DP01.tif



Villa_LED-BDP765-DP02.tif



Villa_LED-BDP765-DP04.tif



Villa_LED-BDP765-DP05.tif



Villa_LED-BDP765-DP07.tif



Villa_LED-BDP765-DP08.tif



Villa_LED-BDP765-DP09.tif

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 |
| Flammability mark | - |
| Light source replaceable | Yes |
| Lamp version | 4S |
| Number of gear units | 1 unit |
| 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 | Product Family Code |
|--------------|--|-----------------------------|---|---------------------|
| 912300023464 | BDP765 LED50-4S/740 PSU II DS50 GF BK | - | 30 pcs Distribution symmetrical 50 | BDP765 |
| 912300023467 | BDP765 LED69-4S/830 PSU II DM50 GF BK | - | 30 pcs Distribution medium 50 | BDP765 |
| 912300023468 | BDP765 LED90-4S/830 PSR DM50 BK D4 50% | 50% | 40 pcs Distribution medium 50 | BDP765 |
| 912300023470 | BSP765 LED40-4S/830 PSD DN10 BK D9 | - | 30 pcs Distribution narrow 10 | BSP765 |

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

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 |

