



Illuminating the exterior efficiently

Essential SmartBright LED

Philips Essential SmartBright LED Floodlight not only ensures savings on initial capital, but also delivers reliable operational savings.

Benefits

- Use with peace of mind
- Long-lasting performance
- High quality material and design
- Wide selection

Features

- 4KV surge protection
- IP65/IK07 protection
- 30khrs life
- Wide operating temperature range (-40°C to 45°C)
- High-quality exposed flat lense enhances safety
- Pressure die-cast housing offers excellent corrosion-resistance and robustness
- Multiple choice of colour temperature - warm white (3000k), neutral (4000k) and cool white (5700k)
- Multiple choice of lumen packages

Application

- Area lighting, bill-board, façade, industry area, recreational sports and other general applications

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Versions



BVP161 30W GOLD

BVP161 LED 100 W GREY

Approval and Application	
Mech. Impact protection code	IK07
Controls and Dimming	
Dimmable	No
General Information	
Driver included	Yes
Light source replaceable	No
Initial Performance (IEC Compliant)	
Init. Colour Rendering Index	>80

Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	4/2 kV
911401608703	BVP161 LED26/NW 30W 220-240V WB GOLD	4/2 kV
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	4/2 kV
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	4/2 kV

Order Code	Full Product Name	Surge Protection (Common/Differential)
911401608803	BVP161 LED43/NW 50W 220-240V WB GOLD	4/2 kV
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	4/2 kV
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	EN61547 (L-L 2kV, L-G 4kV) kV
911401823598	BVP161 LED85/WW 100W 220-240V WB GREY GM	EN61547 (L-L 2kV, L-G 4kV) kV

General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	CE mark	Light source colour	Optical cover/lens type	ENEC mark	Flammability mark	Lamp family code
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	-	-	830 warm white	Polycarbonate bowl/cover flat	-	F	-
911401608703	BVP161 LED26/NW 30W 220-240V WB GOLD	-	-	840 neutral white	Polycarbonate bowl/cover flat	-	F	-
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	-	-	857 daylight	Polycarbonate bowl/cover flat	-	F	-

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Order Code	Full Product Name	Luminaire light		Light source colour	Optical cover/lens type	ENEC mark	Flammability mark	Lamp family code
		beam spread	CE mark					
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	-	-	857 daylight	Polycarbonate bowl/cover flat	-	F	-
911401608803	BVP161 LED43/NW 50W 220-240V WB GOLD	-	-	840 neutral white	Polycarbonate bowl/cover flat	-	F	-
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	-	-	830 warm white	Polycarbonate bowl/cover flat	-	F	-
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	30° x 80°	CE mark	857 daylight	Micro-lens optic in polycarbonate cover, wide	-	NO	LED90
911401823598	BVP161 LED85/WW 100W 220-240V WB GREY GM	30° x 80°	CE mark	830 warm white	Micro-lens optic in polycarbonate cover, wide	-	NO	LED85

General Information (2/2)

Order Code	Full Product Name	Number of gear	
		units	Optic type
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	-	Wide beam
911401608703	BVP161 LED26/NW 30W 220-240V WB GOLD	-	Wide beam
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	-	Wide beam
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	-	Wide beam

Order Code	Full Product Name	Number of gear	
		units	Optic type
911401608803	BVP161 LED43/NW 50W 220-240V WB GOLD	-	Wide beam
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	-	Wide beam
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	1 unit	Symmetrical
911401823598	BVP161 LED85/WW 100W 220-240V WB GREY GM	1 unit	Symmetrical

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	3000 K	2300 lm
911401608703	BVP161 LED26/NW 30W 220-240V WB GOLD	4000 K	2600 lm
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	5700 K	2600 lm
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	5700 K	4300 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux
911401608803	BVP161 LED43/NW 50W 220-240V WB GOLD	4000 K	4300 lm
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	3000 K	3900 lm
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	5700 K	9000 lm
911401823598	BVP161 LED85/WW 100W 220-240V WB GREY GM	3000 K	8500 lm

Mechanical and Housing

Order Code	Full Product Name	Colour
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	Gold
911401608703	BVP161 LED26/NW 30W 220-240V WB GOLD	Gold
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	Gold
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	Gold

Order Code	Full Product Name	Colour
911401608803	BVP161 LED43/NW 50W 220-240V WB GOLD	Gold
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	Gold
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	grey
911401823598	BVP161 LED85/WW 100W 220-240V WB GREY GM	grey

Application Conditions

Order Code	Full Product Name	Maximum dim level
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	-
911401608703	BVP161 LED26/NW 30W 220-240V WB GOLD	-

Order Code	Full Product Name	Maximum dim level
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	-
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	-

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Order Code	Full Product Name	Maximum dim level
911401608803	BVP161 LED43/NW 50W 220-240V WB GOLD	-
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	-

Order Code	Full Product Name	Maximum dim level
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	Not applicable
911401823598	BVP161 LED85/WW 100W 220-240V WB GREY GM	Not applicable

Light Technical

Order Code	Full Product Name	Standard tilt angle side entry	Standard tilt angle posttop	Upward light output ratio
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	-	-	-
911401608703	BVP161 LED26/NW 30W 220-240V WB GOLD	-	-	-
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	-	-	-
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	-	-	-

Order Code	Full Product Name	Standard tilt angle side entry	Standard tilt angle posttop	Upward light output ratio
911401608803	BVP161 LED43/NW 50W 220-240V WB GOLD	-	-	-
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	-	-	-
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	-	-	0
911401823598	BVP161 LED85/WW 100W 220-240V WB GREY GM	-	-	0

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	-
911401608703	BVP161 LED26/NW 30W 220-240V WB GOLD	-
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	-
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	-

Order Code	Full Product Name	Driver failure rate at 5000 h
911401608803	BVP161 LED43/NW 50W 220-240V WB GOLD	-
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	-
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	1.00 %
911401823598	BVP161 LED85/WW 100W 220-240V WB GREY GM	1.00 %

