



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 color 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

Essential Smartbright LED

Versions



BVP161 100W GOLD



BVP161 30W GOLD



BVP161 LED 100W 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. Color Rendering Index	>80

Application Conditions

Order Code	Full Product Name	Maximum dim level
911401534231	BVP161 LED90/NW 100W 220-240V WB GOLD	-
911401534331	BVP161 LED90/CW 100W 220-240V WB GOLD	-
911401534431	BVP161 LED85/WW 100W 220-240V WB GOLD	-
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	-
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	-
911401610503	BVP161 LED60/NW 70W 220-240V WB GOLD	-
911401610603	BVP161 LED60/CW 70W 220-240V WB GOLD	-

Order Code	Full Product Name	Maximum dim level
911401610703	BVP161 LED55/WW 70W 220-240V WB GOLD	-
911401823698	BVP161 LED90/NW 100W 220-240V WB GOLD GM	Not applicable
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	-
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	-
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	Not applicable
911401823498	BVP161 LED90/NW 100W 220-240V WB GREY GM	Not applicable
911401823998	BVP161 LED90/NW 100W 220-240V WB GREY KR	Not applicable

Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
911401534231	BVP161 LED90/NW 100W 220-240V WB GOLD	4/2 kV
911401534331	BVP161 LED90/CW 100W 220-240V WB GOLD	4/2 kV
911401534431	BVP161 LED85/WW 100W 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)
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	4/2 kV
911401610503	BVP161 LED60/NW 70W 220-240V WB GOLD	4/2 kV
911401610603	BVP161 LED60/CW 70W 220-240V WB GOLD	4/2 kV
911401610703	BVP161 LED55/WW 70W 220-240V WB GOLD	4/2 kV

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Order Code	Full Product Name	Surge Protection (Common/Differential)	Order Code	Full Product Name	Surge Protection (Common/Differential)
911401823698	BVP161 LED90/NW 100W 220-240V WB GOLD GM	EN61547 (L-L 2kV, L-G 4kV) kV	911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	EN61547 (L-L 2kV, L-G 4kV) kV
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	4/2 kV	911401823498	BVP161 LED90/NW 100W 220-240V WB GREY GM	EN61547 (L-L 2kV, L-G 4kV) kV
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	4/2 kV	911401823998	BVP161 LED90/NW 100W 220-240V WB GREY KR	EN61547 (L-L 2kV, L-G 4kV) kV

General Information (1/2)

Order Code	Full Product Name	Luminaire light		Light source		ENEC		Lamp family code
		beam spread	CE mark	color	Optical cover/lens type	mark	Flammability mark	
911401534231	BVP161 LED90/NW 100W 220-240V WB GOLD	-	-	840 neutral white	Polycarbonate bowl/cover flat	-	For mounting on normally flammable surfaces	-
911401534331	BVP161 LED90/CW 100W 220-240V WB GOLD	-	-	857 daylight	Polycarbonate bowl/cover flat	-	For mounting on normally flammable surfaces	-
911401534431	BVP161 LED85/WW 100W 220-240V WB GOLD	-	-	830 warm white	Polycarbonate bowl/cover flat	-	For mounting on normally flammable surfaces	-
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	-	-	857 daylight	Polycarbonate bowl/cover flat	-	For mounting on normally flammable surfaces	-
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	-	-	830 warm white	Polycarbonate bowl/cover flat	-	For mounting on normally flammable surfaces	-
911401610503	BVP161 LED60/NW 70W 220-240V WB GOLD	-	-	840 neutral white	Polycarbonate bowl/cover flat	-	For mounting on normally flammable surfaces	-
911401610603	BVP161 LED60/CW 70W 220-240V WB GOLD	-	-	857 daylight	Polycarbonate bowl/cover flat	-	For mounting on normally flammable surfaces	-
911401610703	BVP161 LED55/WW 70W 220-240V WB GOLD	-	-	830 warm white	Polycarbonate bowl/cover flat	-	For mounting on normally flammable surfaces	-
911401823698	BVP161 LED90/NW 100W 220-240V WB GOLD GM	30° x 80°	CE mark	840 neutral white	Micro-lens optic in polycarbonate cover, wide	-	-	LED90
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	-	-	830 warm white	Polycarbonate bowl/cover flat	-	For mounting on normally flammable surfaces	-
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	-	-	857 daylight	Polycarbonate bowl/cover flat	-	For mounting on normally flammable surfaces	-
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	30° x 80°	CE mark	857 daylight	Micro-lens optic in polycarbonate cover, wide	-	-	LED90
911401823498	BVP161 LED90/NW 100W 220-240V WB GREY GM	30° x 80°	CE mark	840 neutral white	Micro-lens optic in polycarbonate cover, wide	-	-	LED90
911401823998	BVP161 LED90/NW 100W 220-240V WB GREY KR	30° x 80°	CE mark	840 neutral white	Micro-lens optic in polycarbonate cover, wide	-	-	LED90

General Information (2/2)

Order Code	Full Product Name	Number of		Order Code	Full Product Name	Number of	
		gear units	Optic type			gear units	Optic type
911401534231	BVP161 LED90/NW 100W 220-240V WB GOLD	-	Wide beam	911401534431	BVP161 LED85/WW 100W 220-240V WB GOLD	-	Wide beam
911401534331	BVP161 LED90/CW 100W 220-240V WB GOLD	-	Wide beam	911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	-	Wide beam

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Order Code	Full Product Name	Number of gear units	Optic type
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	-	Wide beam
911401610503	BVP161 LED60/NW 70W 220-240V WB GOLD	-	Wide beam
911401610603	BVP161 LED60/CW 70W 220-240V WB GOLD	-	Wide beam
911401610703	BVP161 LED55/WW 70W 220-240V WB GOLD	-	Wide beam
911401823698	BVP161 LED90/NW 100W 220-240V WB GOLD GM	1 unit	Symmetrical

Order Code	Full Product Name	Number of gear units	Optic type
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	-	Wide beam
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	-	Wide beam
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	1 unit	Symmetrical
911401823498	BVP161 LED90/NW 100W 220-240V WB GREY GM	1 unit	Symmetrical
911401823998	BVP161 LED90/NW 100W 220-240V WB GREY KR	1 unit	Symmetrical

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
911401534231	BVP161 LED90/NW 100W 220-240V WB GOLD	4000 K	9000 lm
911401534331	BVP161 LED90/CW 100W 220-240V WB GOLD	5700 K	9000 lm
911401534431	BVP161 LED85/WW 100W 220-240V WB GOLD	3000 K	8500 lm
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	5700 K	4300 lm
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	3000 K	3900 lm
911401610503	BVP161 LED60/NW 70W 220-240V WB GOLD	4000 K	6000 lm
911401610603	BVP161 LED60/CW 70W 220-240V WB GOLD	5700 K	6000 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
911401610703	BVP161 LED55/WW 70W 220-240V WB GOLD	3000 K	5500 lm
911401823698	BVP161 LED90/NW 100W 220-240V WB GOLD GM	4000 K	9000 lm
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	3000 K	2300 lm
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	5700 K	2600 lm
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	5700 K	9000 lm
911401823498	BVP161 LED90/NW 100W 220-240V WB GREY GM	4000 K	9000 lm
911401823998	BVP161 LED90/NW 100W 220-240V WB GREY KR	4000 K	9000 lm

Mechanical and Housing

Order Code	Full Product Name	Color
911401534231	BVP161 LED90/NW 100W 220-240V WB GOLD	Gold
911401534331	BVP161 LED90/CW 100W 220-240V WB GOLD	Gold
911401534431	BVP161 LED85/WW 100W 220-240V WB GOLD	Gold
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	Gold
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	Gold
911401610503	BVP161 LED60/NW 70W 220-240V WB GOLD	Gold
911401610603	BVP161 LED60/CW 70W 220-240V WB GOLD	Gold

Order Code	Full Product Name	Color
911401610703	BVP161 LED55/WW 70W 220-240V WB GOLD	Gold
911401823698	BVP161 LED90/NW 100W 220-240V WB GOLD GM	Gold
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	Gold
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	Gold
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	grey
911401823498	BVP161 LED90/NW 100W 220-240V WB GREY GM	grey
911401823998	BVP161 LED90/NW 100W 220-240V WB GREY KR	grey

Light Technical

Order Code	Full Product Name	Upward		
		Standard tilt angle side entry	Standard tilt angle posttop	light output ratio
911401534231	BVP161 LED90/NW 100W 220-240V WB GOLD	-	-	-

Order Code	Full Product Name	Upward		
		Standard tilt angle side entry	Standard tilt angle posttop	light output ratio
911401534331	BVP161 LED90/CW 100W 220-240V WB GOLD	-	-	-

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Order Code	Full Product Name	Standard tilt angle side entry	Standard tilt angle posttop	Upward light output ratio
911401534431	BVP161 LED85/WW 100W 220-240V WB GOLD	-	-	-
911401608603	BVP161 LED43/CW 50W 220-240V WB GOLD	-	-	-
911401609003	BVP161 LED39/WW 50W 220-240V WB GOLD	-	-	-
911401610503	BVP161 LED60/NW 70W 220-240V WB GOLD	-	-	-
911401610603	BVP161 LED60/CW 70W 220-240V WB GOLD	-	-	-
911401610703	BVP161 LED55/WW 70W 220-240V WB GOLD	-	-	-

Order Code	Full Product Name	Standard tilt angle side entry	Standard tilt angle posttop	Upward light output ratio
911401823698	BVP161 LED90/NW 100W 220-240V WB GOLD GM	-	-	0
911401608503	BVP161 LED23/WW 30W 220-240V WB GOLD	-	-	-
911401608903	BVP161 LED26/CW 30W 220-240V WB GOLD	-	-	-
911401823398	BVP161 LED90/CW 100W 220-240V WB GREY GM	-	-	0
911401823498	BVP161 LED90/NW 100W 220-240V WB GREY GM	-	-	0
911401823998	BVP161 LED90/NW 100W 220-240V WB GREY KR	-	-	0

