

Essential Smartbright LED

BVP161 LED90/CW 100W 220-240V WB GREY GM

Essential Smartbright LED, 9000 lm, 100 W, 757 cool white, Symmetrical, 30° x 80°, Safety class I, Mounting bracket adjustable

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

Product data

General Information	
Lamp family code	LED90 [LED module 9000 lm]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Lighting Technology	LED
CE mark	CE mark
Warranty period	3 years
Flammability mark	-
ENEC mark	-
EU RoHS compliant	No

Light Technical	
Upward light output ratio	0
Luminous Flux	9000 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	90.00 lm/W
Color rendering index (CRI)	<gt/>70
Light source color	757 cool white
Optical cover type	Micro-lens optic in polycarbonate cover, wide
Luminaire light beam spread	30° x 80°
Optic type outdoor	Symmetrical

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	0.64 A
Inrush time	1.2 ms
Power Consumption	100 W
Power Factor (Fraction)	0.9

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Connection	Flying leads/wires
Cable	Cable 0.6 m without plug
Number of products on MCB of 16 A type B	22

Temperature

Ambient temperature range	-40 to +45 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Grey
Mounting device	Mounting bracket adjustable
Optical cover shape	Flat
Optical cover finish	Frosted
Overall length	315.5 mm
Overall width	233.5 mm
Overall height	41 mm
Effective projected area	0.075 m²
Dimensions (Height x Width x Depth)	41 x 234 x 316 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Surge Protection (Common/Differential)	EN61547 (L-L 2kV, L-G 4kV) kV
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.31, 0.32) SDCM<lt/>5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1.00 %

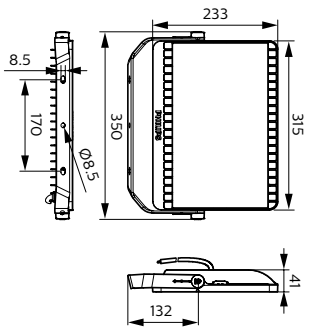
Application Conditions

Maximum dim level	Not applicable

Product Data

Order product name	BVP161 LED90/CW 100W 220-240V WB GREY GM
Full product name	BVP161 LED90/CW 100W 220-240V WB GREY GM
Full product code	871016330474899
Order code	911401823398
Material Nr. (12NC)	911401823398
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163304748
Numerator - Packs per outer box	6
EAN/UPC - Case	8710163304809

Dimensional drawing



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2023, April 30 - data subject to change