Essential Smartbright LED

BVP161 LED85/WW 100W 220-240V WB GOLD GM

Essential Smartbright LED, 8500 lm, 100 W, 730 warm 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	LED85 [LED module 8500 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	8,500 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	85.00 lm/W
Color rendering index (CRI)	>70
Light source color	730 warm 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

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Power Consumption	100 W
Power Factor (Fraction)	0.9
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	Gold
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

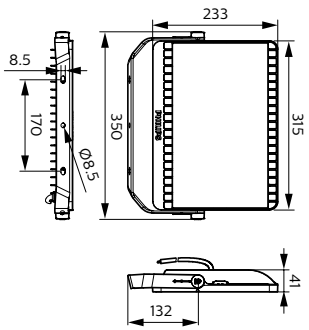
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.44, 0.40) SDCM<5
Power consumption tolerance	+/-10%

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 LED85/WW 100W 220-240V WB GOLD GM
Full product name	BVP161 LED85/WW 100W 220-240V WB GOLD GM
Full product code	911401823898
Order code	01823898
Material Nr. (12NC)	911401823898
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6

Dimensional drawing



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2023, May 1 - data subject to change