

BVP169
LED120/830_40_65PSU
100W SWB WH
911401866288



Ledinaire All-in floodlights, 100 W, 11000 lm, 12000 lm, 3000 K, 4000 K, 6500 K, CRI80, Symmetrical wide beam, IP65

Aluminum die-cast, White RAL 9003, Signal white (RAL9003), Driver integrated on LED board (DoB), All-in, Multi Color Temperature, 11000 lm, 12000 lm, 100 W, 120 lm/W, 110 lm/W, 3000 K, 4000 K, 6500 K, (0.440,0.403); (0.369,0.364); (0.313,0.337) SDCM<5, CRI80, Symmetrical wide beam, IP65 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class I, 4/4 kV kV, Cable 2.0 m without plug

General Information

Lamp family code	-
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	No
Value ladder	Value
Warranty period	5 years

Light Technical

Upward light output ratio	0
Luminous Flux	11,000 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	120 lm/W
Color rendering index (CRI)	≥80
Light source color	White
Luminaire light beam spread	110°
Optic type outdoor	Symmetrical wide beam
All-in Type	All-in, Multi Color Temperature
Effective projected area	0.045 m ²

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	3.84 A
Inrush time	0.0244 ms
Power Consumption	100 W
Power Factor (Fraction)	0.95
Connection	-
Cable	Cable 2.0 m without plug
Number of products on MCB of 16 A type B	21
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	4/4 kV kV

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Driver integrated on LED board (DoB)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable
Photocell	-

Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	Polycarbonate
Optic material	Glass
Optical cover material	Tempered glass
Fixation material	Steel
Housing Color	White RAL 9003
Mounting device	Mounting bracket adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Reflector Finish	White reflector
Overall length	304 mm
Overall width	220 mm
Overall height	36 mm
Dimensions (Height x Width x Depth)	36 x 220 x 304 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Optical cover type	Glass
Net Weight (Piece)	1.930 kg

Emergency Operation

Central Emergency	No
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Approval and Application

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	-
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	0.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-25 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.440,0.403); (0.369,0.364); (0.313,0.337) SDCM<5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	0
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	7.5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	-

Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.

Embedded carbon (A1-A3)	16.3 kg CO ₂ e
Product non-virgin material ratio	29 %
Recyclable content ratio of the finished product	63.7 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

Product Data

Order product name	BVP169 LED120/830_40_65PSU 100W SWB WH
Full product name	BVP169 LED120/830_40_65PSU 100W SWB WH
Full product code	872110334221899
Order code	911401866288
Material Nr. (12NC)	911401866288
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103342218
Numerator - Packs per outer box	6
EAN/UPC - Case	8721103342300

Dimensional drawing



Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	EPD-HUB-EPD-Philips-Ledinaire-All-in-floodlights-BVP169-Ref-911401876386.pdf	Download 
Installation Instructions	Mounting-instruction-BVP167-169-Ledinaire-Floodlight-All-in-SWB.pdf	Download 
Photometry and lighting design	Document Name	Download
LDT File	LDT-files-BVP169-LED120830-40-65-PSU-100W-SWB-White-Housing.ltd	Download 
IES File	IES-files-BVP169-LED120830-40-65-PSU-100W-SWB-White-Housing.ies	Download 

