PHILIPS

BVP167 LED60/830_40_65 PSU 50W SWB MDU

911401894386



Multi ColorTemp

Ledinaire All-in floodlights, 50 W, 5500 lm, 6000 lm, 3000 K, 4000 K, 6500 K, CRI80, Sensor-controlled on/off, Symmetrical, MDU1, IP65

Aluminium die cast, Grey, Traffic grey B (RAL7043), Single layer powder coating, Power supply unit (On/Off), Movement and light sensor (On/Off), Photocell included, All-in, Multi Color Temperature, 5500 lm, 6000 lm, 50 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, IP65 | Dust penetration-protected, jet-proof, IK07 | 2 J reinforced, Safety class I, Surge protection level until 1.5 kV differential mode and 1.5 kV common mode, Cable 1.0 m without plug, Flying leads/cables

General Information

Lamp family code	LED60S [LED Module, system flux 6000 lm]
Number of gear units	Unit
Driver included	Yes
Sustainability rating	Unclassified
Light source engine type	LED system in flux
Service Tag	No
Value ladder	Value
Warranty period	5 years

Light Technical

Upwards light output ratio	0
Luminous Flux	5,500 lm
Correlated Colour Temperature (Nom)	3000 K
Luminous efficacy (rated) (nom.)	120 lm/W
Colour rendering index (CRI)	>80
Light source colour	Multi Colour Temperature
Optic type	Symmetric 110^0
Luminaire light beam spread	110°
Optic type outdoor	Symmetrical
All-in Type	All-in, Multi Color Temperature
Effective projected area	0.02775 m^2

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Inrush current	1.68 A
Inrush time	0.0082 ms
Power Consumption	50 W
Power Factor (Fraction)	0.9
Connection	Flying leads/cables
Cable	Cable 1.0 m without plug
Number of products on MCB (16 A type B)	43
Suitable for random switching	Yes
Protection class IEC	Safety class I
Surge Protection (Common/ Differential)	Surge protection level until 1.5 kV differential mode and 1.5 kV common mode
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	Sensor-controlled on/off
Constant light output	No
Embedded control	Movement and light sensor (On/ Off)
Photocell	Photocell included

Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	Polycarbonate
Optic material	Glass
Optical cover/lens material	Tempered glass
Fixation material	Steel
Housing Colour	Grey
Mounting device	Via U Shaped Bracket, Aiming Scale Angle, Universal Installation
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	264 mm
Overall width	173 mm
Overall height	57 mm
Dimensions (height x width x depth)	57 x 173 x 264 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Standard tilt angle post-top	27°
Standard tilt angle side entry	-
Optical cover type	Glass
Net Weight (Piece)	0.850 kg

Emergency Operation

Central Emergency	No

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
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
Flickering value (PstLM)	1
Ambient temperature range	-25 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.440,0.403); (0.369,0.364); (0.313,0.337) SDCM<5
Power consumption tolerance	+/-10%
Init. Colour Rendering Index Tolerance	-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 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* 75000 h	L70

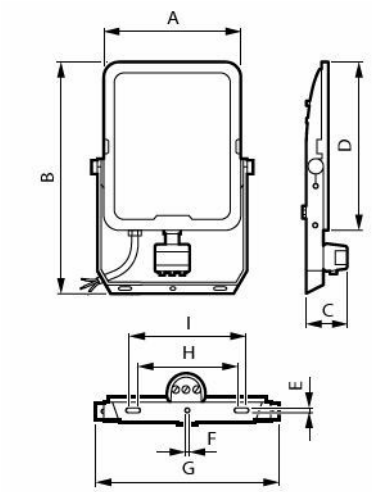
Sustainability Data

Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	7.13 kg CO_2e
Product non-virgin material ratio	23.8 %
Recyclable the content ratio of the finished product	59.7 %
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 DECLARED UNIT (lm) * 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	BVP167 LED60/830_40_65 PSU 50W SWB MDU
Full product name	BVP167 LED60/830_40_65 PSU 50W SWB MDU
Full EOC	872016973618499
Order code	911401894386
Material no. (12 NC)	911401894386
Numerator – quantity per pack	1
EAN/UPC — Product/Case	8720169736184
Numerator – packs per outer box	16
EAN/UPC - Case	8720169736375

Dimensional drawing



mm	10W	20W	30W	50W	70W
A	70	82	117	150	175
B	174	191	220	263	295
C	58	58	58	58	60
D	90	109	145	185	215
E	4.2	4.2	4.5	6.5	6.5
F	4.2	4.2	4.5	6.5	6.5
G	85	97	133	173	203
H	41	50	70	90	110
I	51	60	85	110	130

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	Mounting-instruction-Ledinaire-Floodlight-All-in-with-sensor.pdf	Download
Environmental Product Declaration	EPD-PHILIPS-BVP167-LED60-830-40-65-PSU-50W-SWB-MDU-911401894386.pdf	Download
Environmental Product Declaration	EPD-HUB-EPD-Philips-Ledinaire-All-in-floodlights-BVP167-Ref-911401894386.pdf	Download

Photometry and lighting design	Document Name	Download
LDT File	Ledinaire-Flood-BVP167-1xLED60-830-40-65-840-PSU-SWB.ldt	Download
IES File	BVP167-LED60830-40-65-PSU-50W-SWB.ies	Download

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