PHILIPS

BVP169
LED105/830_40_65 PSU
90W AWB
911401884386



Multi ColorTemp

Ledinaire All-in floodlights, 90 W, 10000 lm, 10500 lm, 3000 K, 4000 K, 6500 K, CRI80, Asymmetrical, IP65

Aluminum die cast, Grey, Traffic gray B (RAL7043), Single layer powder coating, Power supply unit (On/Off), All-in, Multi Color Temperature, 10000 lm, 10500 lm, 90 W, 115 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, Asymmetrical, IP65 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class I, Surge protection level until 1.5 kV differential mode and 1.5 kV common mode, Cable 2.0 m without plug, Flying leads/wires

General Information

Lamp family code	LED105S [LED module, system flux 10500 lm]
Number of gear units	1 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

Upward light output ratio	0
Luminous Flux	10,000 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	115 lm/W
Color rendering index (CRI)	>80
Light source color	Multi Color Temperature
Optic type	Assymetric Beam angle
Luminaire light beam spread	92° x 52°
Optic type outdoor	Asymmetrical
All-in Type	All-in, Multi Color Temperature
Effective projected area	0.04514 m^2

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Inrush current	7.6 A
Inrush time	0.01385 ms
Power Consumption	90 W
Power Factor (Fraction)	0.95
Connection	Flying leads/wires
Cable	Cable 2.0 m without plug
Number of products on MCB of 16 A type B	22
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)
Constant light output	No
Embedded control	-
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	Grey
Mounting device	Via U Shaped Bracket, Aiming Scale Angle, Universal Installation
Optical cover shape	Flat
Optical cover finish	Clear
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	27°
Standard tilt angle side entry	-
Optical cover type	Glass
Net Weight (Piece)	2.080 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) - Flickering value as per EN 61000-3-3	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. Color 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 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* 75000 h	L70

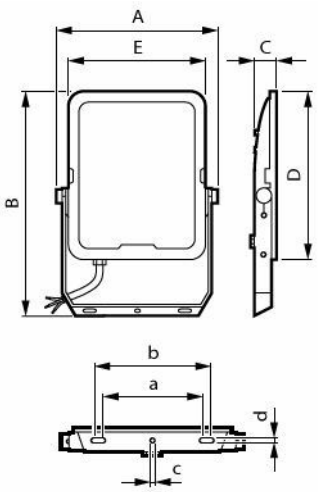
Sustainability Data

Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	18.1 kg CO_2e
Product non-virgin material ratio	27.7 %
Recyclable content ratio of the finished product	60.4 %
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 LED105/830_40_65 PSU 90W AWB
Full product name	BVP169 LED105/830_40_65 PSU 90W AWB
Full product code	872016973612299
Order code	911401884386
Material Nr. (12NC)	911401884386
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169736122
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169736313

Dimensional drawing



SWB

mm	10W	20W	30W	50W	70W	100W	150W	200W
A	85	97	133	173	203	220	282	336
B	130	149	182	232	286	304	401	474
C	31	31	29	30	33	36	37	41
D	90	109	145	185	215	244	320	380
E	70	82	117	150	175	185	242	296
a	41	50	70	90	110	110	136	210
b	51	60	85	110	130	130	166	240
c	4.2	4.2	4.5	6.5	6.5	8.5	10.5	10.5
d	4.2	4.2	4.5	6.5	6.5	8.5	10.5	10.5

AWB

mm	65W	90W	135W	180W
A	203	220	282	336
B	286	304	401	474
C	33	36	37	41
D	215	244	320	380
E	175	185	242	296
a	110	110	136	210
b	130	130	166	240
c	6.5	8.5	10.5	10.5
d	6.5	8.5	10.5	10.5

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	Mounting-instruction-Ledinaire-Floodlight-All-in-AWB.pdf	Download
Environmental Product Declaration	EPD-PHILIPS-BVP169-LED105-830-40-65-PSU-90W-AWB-PH-911401884586.pdf	Download
Environmental Product Declaration	EPD-HUB-EPD-Philips-Ledinaire-All-in-floodlights-BVP169-Ref-911401884386.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	BVP169-LED105830-40-65-PSU-90W-AWB.ies	Download
LDT File	Ledinaire-Flood-BVP169-1xLED105-830-40-65-840-PSU-AWB.ldt	Download

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