



Ledinaire All-in floodlights

BVP169 LED105/830_40_65 PSU 90W AWB

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

With this Ledinaire all-in floodlights range, you can easily adjust the color temperature by a simple switch. No need to choose between warm white, neutral white or cool white anymore, you get all this in one single product ! The range comes with the Philips high quality levels at a competitive price. Reliable, energy-efficient and affordable – just what you need.

Product data

General Information	
Lamp family code	LED105S [LED module, system flux 10500 lm]
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED system in flux
Value ladder	Value
Warranty period	5 years
Light Technical	
Upward light output ratio	0
Luminous Flux	10,000 10,500 lm
Correlated Color Temperature (Nom)	3000 4000 6500 K
Luminous Efficacy (rated) (Nom)	115 110 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 m²
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

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Suitable for random switching	Not applicable
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	Driver integrated on LED board (DoB)
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
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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

Sustainability rating	Unclassified
Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Embedded carbon (A1-A3)	28 kg CO ₂ e
Product non-virgin material ratio	10.9 %
Recyclable content ratio of the finished product	63 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kwh)
GWP total B6 (kg CO ₂ eq) 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 CO ₂ eq / kwh)

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

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Dimensional drawing

