



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 these 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		Optic type	
Lamp family code	LED105S [LED module, system flux 10500 lm]	Luminaire light beam spread	92° x 52°
Number of gear units	Unit	Optic type outdoor	Asymmetrical
Driver included	Yes	All-in Type	All-in, Multi Color Temperature
Light source engine type	LED system in flux	Effective projected area	0.04514 m²
Value ladder	Value	Operating and Electrical	
Warranty period	5 years	Input Voltage	220-240 V
Light Technical		Line Frequency	50 or 60 Hz
Upwards light output ratio	0	Inrush current	7.6 A
Luminous Flux	10,000 10,500 lm	Inrush time	0.01385 ms
Correlated Colour Temperature (Nom)	3000 4000 6500 K	Power Consumption	90 W
Luminous efficacy (rated) (nom.)	115 110 lm/W	Power Factor (Fraction)	0.95
Colour rendering index (CRI)	>80	Connection	Flying leads/cables
Light source colour	Multi Colour Temperature	Cable	Cable 2.0 m without plug
		Number of products on MCB (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	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	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 post-top	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)	1

Ambient temperature range	-25 to +40 °C
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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

Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	28 kg CO ₂ e
Product non-virgin material ratio	10.9 %
Recyclable the 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 DECLARED UNIT (lm) * 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 EOC	872016973612299
Order code	911401884386
Material no. (12 NC)	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

