



Ledinaire All-in floodlights

BVP169 LED120/830_40_65 PSU 90W SWB PH

Ledinaire All-in floodlights, 90 W, 11000 lm, 12000 lm, 3000 K, 4000 K, 6500 K, CRI80, Symmetrical, 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	
Lamp family code	LED120S [LED module, system flux 12000 lm]
Number of gear units	Unit
Driver included	Yes
Light source engine type	LED system in flux
Value ladder	Value
Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Warranty period	3 years
Sustainability rating	-
Light Technical	
Upwards light output ratio	0
Luminous Flux	11,000 12,000 lm
Correlated Colour Temperature (Nom)	3000 4000 6500 K

Luminous efficacy (rated) (nom.)	130 120 lm/W
Colour rendering index (CRI)	>80
Light source colour	830 warm white and 865 cool daylight
Optic type	Symmetric 110°
Luminaire light beam spread	110°
Optic type outdoor	Symmetrical
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

Ledinaire All-in floodlights

Connection	Flying leads/cables
Cable	Cable 2.0 m without plug
Number of products on MCB (16 A type B)	22
Suitable for random switching	Not applicable
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Luminaire surge protection level up to 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
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	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)	1.880 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. 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 50,000 h	7.5 %
Lumen maintenance (EN-IEC 62722-2-1) at L80 median useful life* 50000 h	

Product Data

Order product name	BVP169 LED120/830_40_65 PSU 90W SWB PH
Full product name	BVP169 LED120/830_40_65 PSU 90W SWB PH
Full EOC	872016973646799
Order code	73646799
Material no. (12 NC)	911401876586
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169736467
Numerator – packs per outer box	6
EAN/UPC – Case	8720169736542

Ledinaire All-in floodlights

Dimensional drawing

