



Ledinaire Floodlights Solar

BVP085 LED28/840

Ledinaire Floodlights Solar, 20 W, 2800 lm, 4000 K, CRI80, IR remote, Symmetrical, IP65

Install it everywhere, no energy bill anymore. This Ledinaire floodlight range is powered by a solar panel and an integrated battery. A remote control enables you to light it On/Off and choose between different lighting durations and dimming possibilities. The range comes with the Philips high quality levels at a competitive price. Reliable, energy-efficient and affordable – just what you need.

Warnings and Safety

- The floodlight will not work and the battery will not charge below 0°C in order to protect the battery lifetime
- Optimum battery charging under bright sun exposure
- Disposal at end of life: Battery to be removed by professional

Product data

General Information	
Lamp family code	LED28S [LED module, system flux 2800 lm]
Number of gear units	1 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	2 years

Sustainability rating	-
Light Technical	
Upward light output ratio	0
Luminous Flux	2,800 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	140 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	114 degree(s)
Light source color	840 neutral white

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Optic type	Very wide beam
Luminaire light beam spread	114°
Optic type outdoor	Symmetrical
Effective projected area	0.09 m ²

Operating and Electrical

Input Voltage	10 V
Line Frequency	0 Hz
Inrush current	0 A
Inrush time	0 ms
Power Consumption	20 W
Power Factor (Fraction)	1
Connection	Waterproof External plug-in connector 3-pole
Cable	2×0.75mm ²
Number of products on MCB of 16 A type B	-
Suitable for random switching	Not applicable
Protection class IEC	Safety class III
Surge Protection (Common/Differential)	Luminaire surge protection level until 1.5 kV differential mode and 1.5 kV common mode
Feed-through wiring	-

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Driver integrated on LED board (DoB)
Control interface	IR remote
Constant light output	No
Maximum dim level	10%
Embedded control	Solar dim profile version 1

Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	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
Reflector Finish	High-gloss reflector
Overall length	320 mm
Overall width	342 mm
Overall height	63.5 mm
Dimensions (Height x Width x Depth)	64 x 342 x 320 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]

Mech. impact protection code	IK06 [1 J]
Explosion hazard class	-
Standard tilt angle posttop	27°
Standard tilt angle side entry	-
Mounting	Wall
Optical cover type	Glass
Net Weight (Piece)	4.460 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 0 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	0 to +50 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.312,0.332) SDCM<=5
Power consumption tolerance	+/-5%
Init. Color Rendering Index Tolerance	-2

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* 35000 h	L65
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L70

Product Data

Order product name	BVP085 LED28/840
Full product name	BVP085 LED28/840
Full product code	872016975202399
Order code	911401882002
Material Nr. (12NC)	911401882002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169752023
Numerator - Packs per outer box	3
EAN/UPC - Case	8720169752108

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Dimensional drawing

