

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
Feed-through wiring	-
Light source engine type	LED system in flux
Value ladder	Value
Explosion hazard class	-
Embedded control	Solar dim profile version 1

Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Mounting	Wall

Light Technical	
Upward light output ratio	0
Luminous Flux	2,800 lm
Standard tilt angle posttop	27°
Standard tilt angle side entry	-
Luminous Efficacy (rated) (Nom)	140 lm/W
Saturated Red (R9)	<50

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Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	80
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	Very wide beam
Optical cover type	Glass
Luminaire light beam spread	114°
Optic type outdoor	Symmetrical

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	2×0.75mm²
Number of products on MCB of 16 A type B	-

Temperature

Ambient temperature range	0 to +50 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Driver integrated on LED board (DoB)
Control interface	IR remote
Constant light output	No

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
Effective projected area	0.09 m²
Dimensions (Height x Width x Depth)	64 x 342 x 320 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Surge Protection (Common/Differential)	1.5/1.5 kV
Sustainability rating	-
Protection class IEC	Safety class III
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	-
Warranty period	2 years
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes

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 at median useful life* 50000 h	L70

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	Not applicable

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
Net Weight (Piece)	4.460 kg
EAN/UPC - Product/Case	8720169752023
Numerator - Packs per outer box	3
EAN/UPC - Case	8720169752108

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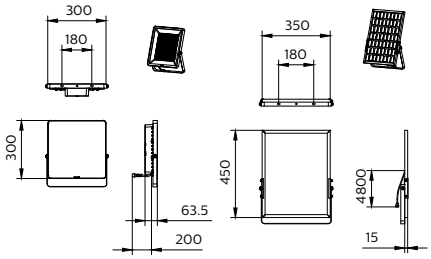
Dimensional drawing



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