



Ledinaire Floodlights Solar

BVP085 LED28/840

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

Aluminum, Grey, Single layer powder coating, Driver integrated on LED board (DoB), Solar dim profile version 1, 2800 lm, 20 W, 140 lm/W, 4000 K, (0.312,0.332) SDCM<=5, CRI80, Symmetrical, IP65 | Dust penetration-protected, jet-proof, IK06 | 1 J, Safety class III, Surge protection level until 1.5 kV differential mode and 1.5 kV common mode, 2x0.75mm², Waterproof External plug-in connector 3-pole

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]	Luminous Flux	2,800 lm
Number of gear units	1 unit	Saturated Red (R9)	<50
Driver included	Yes	Correlated Color Temperature (Nom)	4000 K
Light source engine type	LED system in flux	Luminous Efficacy (rated) (Nom)	140 lm/W
Value ladder	Value	Color rendering index (CRI)	>80
Warranty period	2 years	Beam angle of light source	114 degree(s)
		Light source color	840 neutral white
		Optic type	Very wide beam
		Luminaire light beam spread	114°
		Optic type outdoor	Symmetrical
Light Technical			
Upward light output ratio	0		

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Effective projected area	0.09 m ²
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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	2x0.75mm 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)	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

Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.

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

