



## 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, 2×0.75mm<sup>2</sup>, 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

### 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                       |
| Service tag              | No                                       |
| Value ladder             | Value                                    |
| Warranty period          | 2 years                                  |

### 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 |
| Optic type                  | Very wide beam    |
| Luminaire light beam spread | 114°              |
| Optic type outdoor          | Symmetrical       |
| Effective projected area    | 0.09 m²           |

## 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 | -                                                                            |
| 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 |
|-------------------|----|

## 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   |

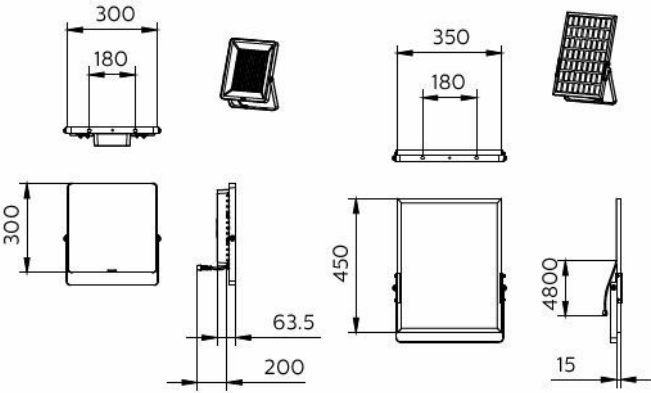
Sustainability Data

|                                            |                                                              |
|--------------------------------------------|--------------------------------------------------------------|
| Sustainability rating                      | Unclassified                                                 |
| Repair class                               | Repair Class D, this product is not designed to be repaired. |
| Non-virgin material ratio of the packaging | Cardboard > 80% recycled                                     |
| Packaging Recyclable content ratio         | Cardboard recycling rate > 80%                               |
| Packaging Material                         | Cardboard                                                    |

Product Data

|                                 |                  |
|---------------------------------|------------------|
| Order product name              | BVP085 LED28/840 |
| Full product name               | BVP085 LED28/840 |
| Full product code               | 872016975202399  |
| Order code                      | 75202399         |
| Material Nr. (12NC)             | 911401882002     |
| Numerator - Quantity Per Pack   | 1                |
| EAN/UPC - Product/Case          | 8720169752023    |
| Numerator - Packs per outer box | 3                |
| EAN/UPC - Case                  | 8720169752108    |

Dimensional drawing



Related Documents

| Documents and certificates | Document Name                            | Download                 |
|----------------------------|------------------------------------------|--------------------------|
| Installation Instructions  | MI-BVP085-Ledinaire-Solar-floodlight.pdf | <a href="#">Download</a> |

