



# **SunStay**

## BRP710 LED20 WW MR 12V LFP Solar

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. Pressure die cast aluminium for sturdiness and long life. Specially designed pole mounting bracket allows different tilt angles, lateral and pole top mounting.

#### **Product data**

| General Information                   |                                   |
|---------------------------------------|-----------------------------------|
| Driver included                       | Yes                               |
|                                       | Tes                               |
|                                       |                                   |
| Light Technical                       |                                   |
| Luminous Flux                         | 2,000 lm                          |
| Correlated Color Temperature (Nom)    | 3000 K                            |
| Luminous Efficacy (rated) (Nom)       | 175 lm/W                          |
| Color rendering index (CRI)           | >70                               |
| Light source color                    | Warm white                        |
| Optical cover type                    | UV stabilized Polycarbonate cover |
|                                       |                                   |
| Operating and Electrical              |                                   |
| Battery type                          | Lithium Ferro Phosphate           |
| Battery ampere hour                   | 13.6 Ah                           |
| Battery voltage                       | 12.8 V                            |
| Battery charging & discharging cycles | 2000                              |
| Panel type                            | Poly crystalline                  |
| Panel voltage                         | 17 Vmp, 21 Voc V                  |
| Panel peak wattage                    | 28 W                              |
| Charge controller type                | MPPT                              |
|                                       |                                   |

| Temperature                               |  |
|---|--|
| Ambient temperature range                 | 0 to +35 ℃                                   |
|   |  |
| Controls and Dimming                      |  |
| Dimmable                                  | Yes  |
| Configurability                           | Factory Configurable                         |
|   |  |
| Mechanical and Housing                    |  |
| Housing Material                          | Aluminium pressure die cast                  |
| Housing Color                             | Gray   |
| Overall length                            | 684 mm                                       |
| Overall width                             | 369 mm                                       |
| Overall height                            | 156 mm                                       |
| Dimensions (Height x Width x Depth)       | 156 x 369 x 684 mm                           |
|   |  |
| Approval and Application                  |  |
| Ingress protection code                   | IP65 [Dust penetration-protected, jet-proof] |
|   |  |
| Over Time Performance (IEC Compli         | iant)  |
| Median useful life L70B50                 | 50,000 hour(s)                               |
|   |  |
| Application Conditions                    |  |
| Anabient tenenenetune venere feu ebeueine | 0.00 +                                       |

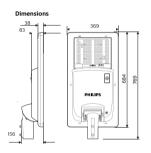
Ambient temperature range for charging ~~ 0 °C to +45 °C ~

### SunStay

| Ambient temperature range for  | -20 °C to +35 °C                          |
|--------------------------------|---|
| discharging (when light is on) |   |
| Solar dimming profile          | 30% Dusk to dawn, 100% on motion.         |
|                                | ( Sensor disabled for 5 Hrs, after 5 Hrs) |
| Grid connection type           | Off grid                                  |
| Battery location               | Inside Luminaire                          |
|                                |   |
| Product Data                   |   |
| Order product name             | BRP710 LED20 WW MR 12V LFP Solar          |
| Full product name              | BRP710 LED20 WW MR 12V LFP Solar          |
|                                |   |

| Full product code               | 871016335455200 |
|---------------------------------|-----------------|
| Order code                      | 919515812966    |
| Material Nr. (12NC)             | 919515812966    |
| Numerator - Quantity Per Pack   | 1               |
| EAN/UPC - Product/Case          | 8710163354552   |
| Numerator - Packs per outer box | 1               |
| EAN/UPC - Case                  | 8710163354552   |
|                                 |                 |

#### **Dimensional drawing**





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, April 15 - data subject to change