

**6806020SNW**

## **SURFACE MOUNTED TRI-PROOF LED LAMP WITH SENSOR 20W 600MM 4000K**

Surface mounted tri-proof LED lamp with sensor, Merrytek. 20W power and 2960lm luminous flux. Symmetrical optical beam of 120° and color temperature of 4000K. Protection rating against external elements IP67 and mechanical impact rating IK08. Base made of ABS and diffuser made of polycarbonate with opal finish



### **PRODUCT INFORMATION**

|              |                                                |
|--------------|------------------------------------------------|
| Item code:   | 6806020SNW                                     |
| Description: | Surface mounted tri-proof LED lamp with sensor |
| EAN13 code:  | 8436568449234                                  |

### **ELECTRICAL PARAMETERS**

|                              |            |
|------------------------------|------------|
| Power:                       | 20w        |
| Voltage:                     | 110-260vac |
| Frequency:                   | 50-60Hz    |
| Power factor:                | 0,9        |
| Dimmable:                    | Not        |
| Electrical insulation class: | CLASE II   |
| Connection:                  | L/N        |

### **LIGHTING PARAMETERS**

|                                       |           |
|---------------------------------------|-----------|
| Color temperature:                    | 4000K     |
| Lighting efficiency:                  | 148 lm/w  |
| Lumens:                               | 2960lm    |
| LED chip model:                       | SMD 2835  |
| Beam angle:                           | 120°      |
| Light distribution:                   | Symmetric |
| Colour rendering index:               | >80       |
| Minimum colour rendering index:       | 80        |
| Maximum colour rendering index:       | 83        |
| Standard colour deviation:            | <6        |
| Luminous maintenance factor:          | L95B10    |
| Flicker rate:                         | ≤1,0      |
| Strobe effect visibility measurement: | ≤0,4      |
| Flicker free (visual comfort):        | YES       |

## MOTION SENSOR PARAMETERS

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| Sensor brand:          | Merrytek                                                 |
| Sensor model:          | MC 130 S                                                 |
| Sensor type:           | Antenna                                                  |
| Operating mode:        | ON/OFF function                                          |
| Configuration options: | Yes                                                      |
| Control system:        | Remote control, Model MH10                               |
| Detection angle:       | 360° ceiling                                             |
| Switch-on time:        | 5sg, 30sg, 1min, 3min, 5min, 10min, 20min, 30min         |
| Light sensor:          | 5lux, 15lux, 30lux, 50lux, 100lux, 150lux, deshabilitado |
| Detection area:        | 100%, 75%, 50%, 25%                                      |
| Detection range:       | Maximum 3 mts                                            |
| Mounting height:       | 2,5 a 4 mts                                              |
| Voltage:               | 220-240vac 50Hz                                          |

## TECHNICAL PARAMETER

|                   |                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------|
| Protection rate:  | IP67 (dust-tight and protected against temporary immersion in water up to 1m depth for 30 minutes) |
| Impact rate:      | IK08 (5J)                                                                                          |
| Work temperature: | -20°~50°                                                                                           |
| Mounting type:    | Surface                                                                                            |

## LIFE SPAN

|                |              |
|----------------|--------------|
| Long-life:     | 45000 h      |
| Switch ON/OFF: | 35000 ON/OFF |

## PHYSICAL PARAMETER

|                |               |
|----------------|---------------|
| <b>Housing</b> |               |
| Material:      | ABS           |
| Colour:        | Grey          |
| <b>Cover</b>   |               |
| Material:      | Polycarbonate |
| Colour:        | Opal          |
| <b>Weight</b>  |               |
| Weight:        | 0,75 kg       |

## ENERGY EFFICIENCY 2023 (UE-2019/2015)

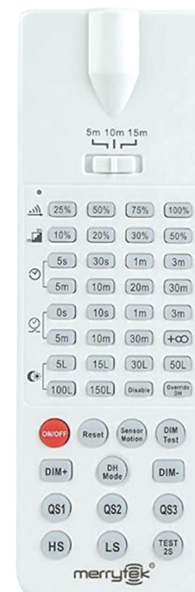
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## MEASURE



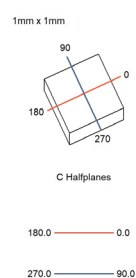
## CONTROL FUNCTIONS

| KEY                                                                                                      | FUNCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ON/OFF                                                                                                   | Press "ON/OFF"; the light will switch to constant on/off mode and the sensor function will be deactivated. In this mode, the DIM+/DIM- function can be used, and the brightness level set via DIM+/DIM- will be maintained when the device is turned on again. In constant on mode, if the light is turned off and then on again, it will remain in constant on mode. In constant off mode, if the light is turned off and then on again, it will turn on for 2 seconds and then return to constant off mode. |
| Reset                                                                                                    | Press the "Reset" button to return all settings to the original DIP switch configuration.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sensor motion                                                                                            | Press the motion sensor button; the light will exit constant on/off mode and the sensor will start operating (the last configuration remains active).                                                                                                                                                                                                                                                                                                                                                         |
| DIM Test                                                                                                 | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DIM+ / DIM-                                                                                              | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DH mode                                                                                                  | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| QS1 / QS2 / QS3                                                                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| TEST 2S                                                                                                  | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HS / LS                                                                                                  | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|  Light sensor          | 5Lux / 15Lux / 30Lux / 50Lux / 100Lux / 150Lux / Deshabilitar                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|  N/A                  | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|  Switch-on time       | 5s / 30s / 1min / 3min / 5min / 10min / 20min / 30min                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|  N/A                  | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|  Detection area       | 25% / 50% / 75% / 100%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|  Remote control range | Changing the button can set the sensor distance of the remote control.                                                                                                                                                                                                                                                                                                                                                                                                                                        |

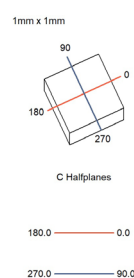
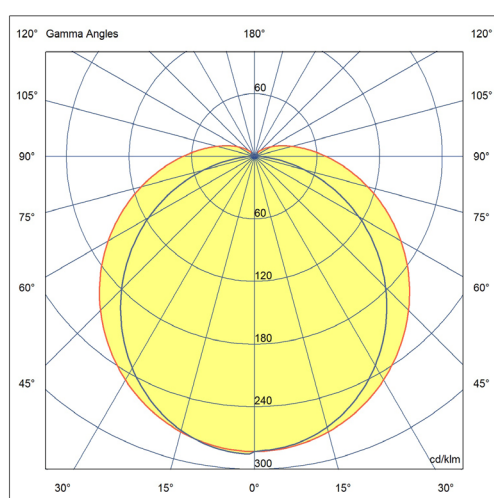


MH10

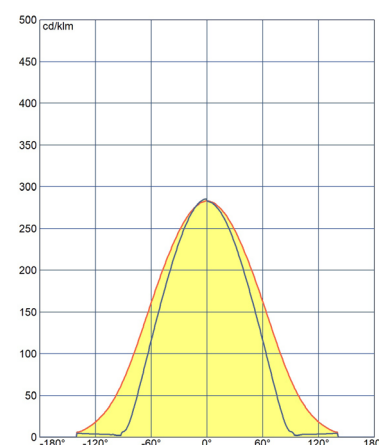
## LIGHT INTENSITY DISTRIBUTION CURVE



Flux 2351 lm  
Maximum 285.48 cd/klm  
Position C=270.00 G=1.00  
Efficiency: 100.00%  
Date: 29-01-2021  
Asymmetrical



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**EMC Directive 2014/30/EU ELECTROMAGNETIC COMPATIBILITY**

- EN IEC 55015:2019/A11:2020** Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.
- EN 61547:2009** Equipment for general lighting purposes - EMC immunity requirements
- EN IEC 61000-3-2:2019/A1:2021** Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current < 16 A per phase).
- EN 61000-3-3:2013/A2:2021** Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current =16 A per phase and not subject to conditional connectio.

**LVD Directive 2014/35/EU LOW VOLTAGE**

- EN IEC 60598-2-1:2021** Part 2-1: Particular requirements - Fixed general purpose luminaires.
- EN IEC 60598-1:2021/A11:2022** Part 1: General requirements and tests.
- EN 62493:2015/A1:2022** Assessment of lighting equipment related to human exposure to electromagnetic fields.

**RoHS Directive 2011/65/EU and Delegated Directive (EU) 2015/863**

Determination of certain substances in electrotechnical products.

- |                      |                       |
|----------------------|-----------------------|
| <b>IEC 62321-3-1</b> | <b>IEC 62321-5</b>    |
| <b>IEC 62321-7</b>   | <b>EN ISO 17075-1</b> |
| <b>IEC 62321-4</b>   | <b>IEC 62321-7-1</b>  |
| <b>IEC 62321-6</b>   | <b>IEC 62321-8</b>    |

