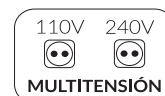


## 735070NWR

### VILLA DIMMABLE URBAN LUMINAIRE 50W 4000K 70°X140°

Villa Dimmable Street Luminaire for public lighting. 50W power and 6400lm luminous flux. Equipped with 64 pcs Lumileds SMD2835 LED chips and MOSSO dimmable driver. Asymmetrical 70° × 140° beam angle and 4000K colour temperature. Protection rating IP66 and mechanical impact resistance rating IK08. Die-cast aluminium housing with black finish and high-temperature epoxy coating. Polycarbonate lenses.



#### PRODUCT SPECIFICATIONS

|              |                                            |
|--------------|--------------------------------------------|
| Item code:   | 735070NWR                                  |
| Description: | Villa street luminaire for public lighting |

#### ELECTRICAL DATA

|                                   |                          |
|-----------------------------------|--------------------------|
| Power:                            | 50w                      |
| Voltage:                          | 90-305vac                |
| Frequency:                        | 50/60 Hz                 |
| Driver brand:                     | MOSSO                    |
| Driver model:                     | Serie X6                 |
| ENEC certification of the driver: | YES                      |
| Power factor:                     | 0,9                      |
| Dimmable:                         | YES                      |
| Dimming system:                   | 0-10vac, PWM, DIM TO OFF |
| Control method:                   | Offline programming      |
| Timer:                            | YES                      |
| Driver protections:               | OVP, SCP, OPP, OTP       |
| Overvoltage protection:           | 6kv                      |
| Surge protection option:          | 10kv                     |
| Electrical insulation class:      | Class I                  |
| Connection:                       | L/N+TT                   |

#### LUMINOUS DATA

|                      |          |
|----------------------|----------|
| Color temperature:   | 4000K    |
| Luminous efficiency: | 128 lm/w |
| Lumens:              | 6400lm   |
| LED chip brand:      | Lumileds |
| LED chip model:      | SMD 2835 |

|                              |            |
|------------------------------|------------|
| Number of LED chips:         | 64 pcs     |
| Beam angle:                  | 70°x140°   |
| Light distribution:          | Asymmetric |
| Color rendering index:       | >80        |
| Luminous maintenance factor: | L95B10     |

## TECHNICAL DATA

|                        |                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Protection rating:     | IP66 (dust-tight equipment and protected against powerful water jets)                                                                       |
| Impact rating:         | IK08                                                                                                                                        |
| Operating temperature: | -20°~50°                                                                                                                                    |
| Mounting type:         | Surface                                                                                                                                     |
| Mounting method:       | Mounting on arm or pole                                                                                                                     |
| Mounting accessory:    | For installation on a column, the use of the specific pole mounting bracket (Ref. 74SOPORTE1) is required, not included with the luminaire. |

## AVERAGE LIFESPAN

|                   |              |
|-------------------|--------------|
| Lifetime hours:   | 60000 hrs    |
| Switching cycles: | 40000 ON/OFF |

## PHYSICAL DATA

### Housing

|           |                                      |
|-----------|--------------------------------------|
| Material: | Die-cast aluminium                   |
| Finish:   | Black - high-temperature epoxy paint |

### Difusser

|           |               |
|-----------|---------------|
| Material: | Polycarbonate |
| Finish:   | Transparent   |

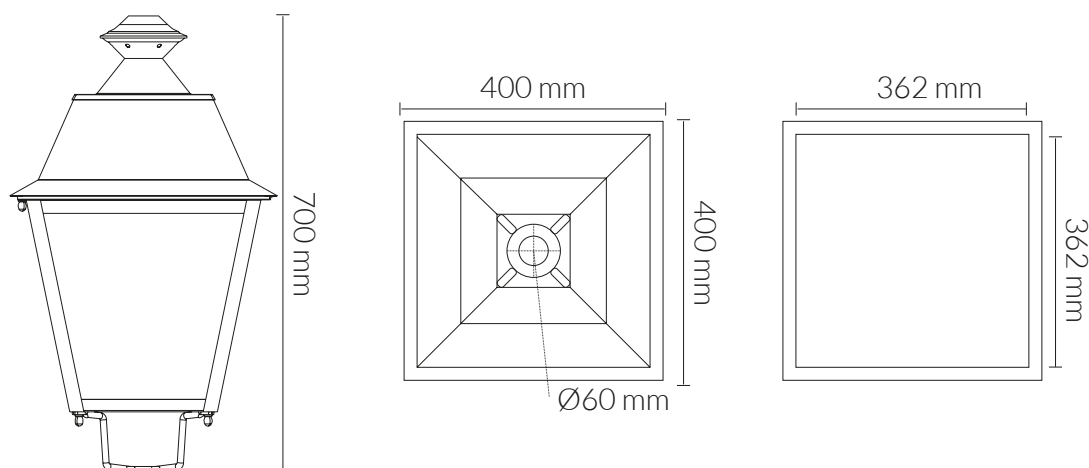
### Weight

|         |          |
|---------|----------|
| Weight: | 11,50 kg |
|---------|----------|

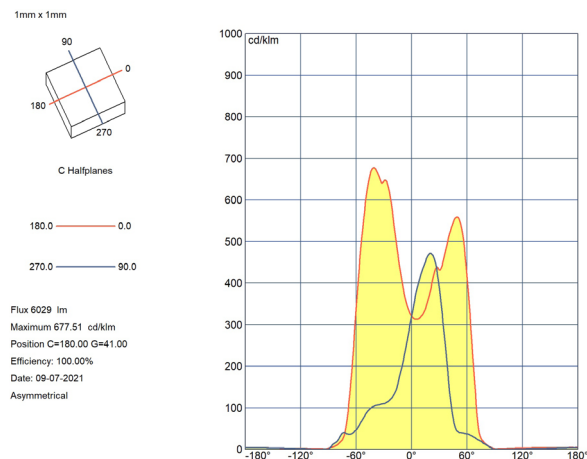
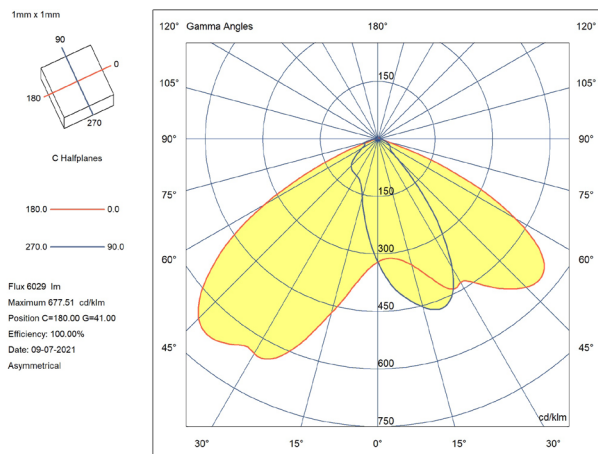
## ENERGY EFFICIENCY 2023 (UE-2019/2015)

**D**

## DIMENSIONS



## LUMINOUS INTENSITY DISTRIBUTION CURVE



## CERTIFICATIONS

### CE & ROHS

#### EMC directive 2014/30/EU ELECTROMAGNETIC COMPATIBILITY

- EN IEC 55015** Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.
- EN IEC 61000-3-2** Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase).
- EN 61000-3-3** 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 connection.
- EN 61547** Equipment for general lighting purposes - EMC immunity requirements.

#### LVD directive 2014/35/EU LOW VOLTAGE

- EN IEC60598-1** Luminaires - Part 1: General requirements and tests.
- EN IEC 60598-2-1** Luminaires - Part 2-1: Particular requirements - Fixed general purpose luminaires.

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

Determination of Certain Substances in Electrotechnical Products.

IEC 62321-4

IEC 62321-5

IEC 62321-6

IEC 62321-7-2

IEC 62321-8

