

## 711003070NWR

### GADIR STREET LUMINAIRE DIMMABLE 100W 4000K 70°X150°

Street luminaire for public lighting, Gadir model, dimmable, 100W power and 14300 lm luminosity. Equipped with 192pcs Lumileds SMD2835 LED chips and MOSO dimmable driver X6-75 series. Asymmetric optical aperture of 70°x150° and color temperature of 4000K. Protection rating against external elements IP66 and mechanical impact resistance rating IK09. Die-cast aluminum body with RAL 9007 grey finish. Polycarbonate lenses. Adjustable arm for installation on a pole or column.



#### PRODUCT SPECIFICATIONS

|              |                                            |
|--------------|--------------------------------------------|
| Item code:   | 711003070NWR                               |
| Description: | Street luminaire for public lighting Gadir |
| EAN13 code:  | 8436568448220                              |

#### ELECTRICAL DATA

|                              |                          |
|------------------------------|--------------------------|
| Power:                       | 100w                     |
| Voltage:                     | 90-305vac                |
| Frequency:                   | 50/60 Hz                 |
| Power factor:                | 0,9                      |
| Dimmable:                    | YES                      |
| Driver model:                | MOSO X6 series           |
| Dimming:                     | 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: | 143 lm/w |
| Lumens:              | 14300lm  |
| LED chip brand:      | Lumileds |
| LED chip model:      | SMD 2835 |
| Number of LED chips: | 192 pcs  |

|                              |            |
|------------------------------|------------|
| Beam angle:                  | 70°x150°   |
| Light distribution:          | Asymmetric |
| Color rendering index:       | >80        |
| Luminous maintenance factor: | L95B10     |

### TECHNICAL DATA

|                        |                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------|
| Protection rating:     | IP66 (Dust-tight and protected against powerful water jets)                                    |
| Impact rating:         | IK08 (5J vandal-resistant)                                                                     |
| Operating temperature: | -20°~50°                                                                                       |
| Mounting type:         | Surface                                                                                        |
| Mounting method:       | Vertical position support for column mounting<br>Horizontal position support for pole mounting |
| Mounting device:       | Inner diameter D68 mm                                                                          |
| Tilt angle:            | 15°                                                                                            |

### AVERAGE LIFESPAN

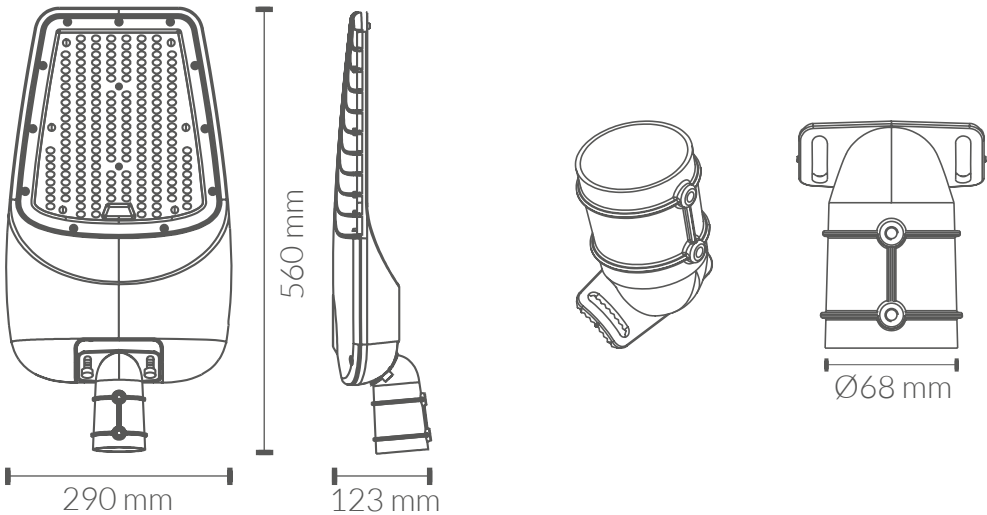
|                   |              |
|-------------------|--------------|
| Lifetime hours:   | 60000 hrs    |
| Switching cycles: | 40000 ON/OFF |

### PHYSICAL DATA

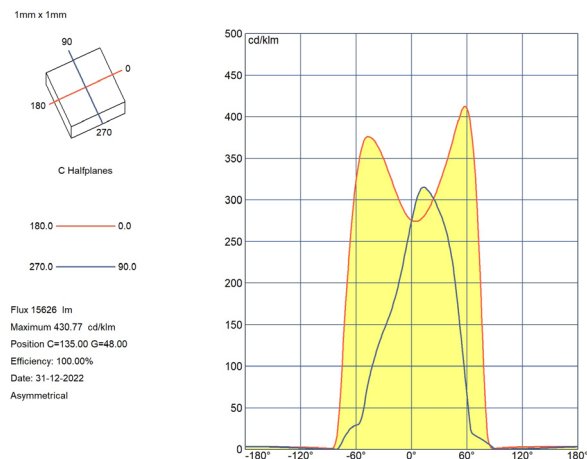
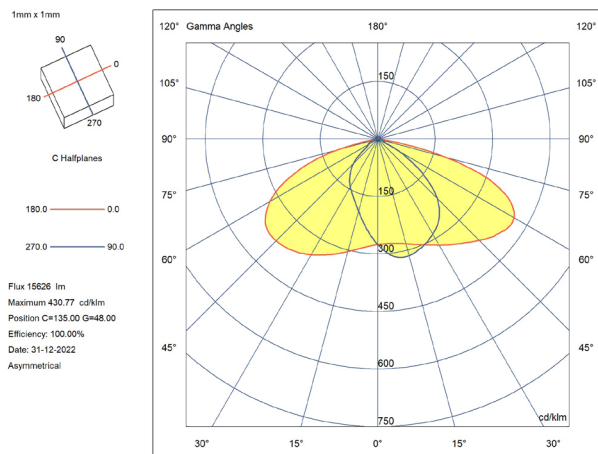
|                |                   |
|----------------|-------------------|
| Luminaire body |                   |
| Material:      | Die-cast aluminum |
| Finish:        | Grey - RAL 9007   |
| Lenses         |                   |
| Material:      | Polycarbonate     |
| Finish:        | Transparent       |
| Weight         |                   |
| Weight:        | 3,80 kg           |

### ENERGY EFFICIENCY 2023 (EU-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 61547** Equipment for general lighting purposes - EMC immunity requirements.
- 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.

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

- EN IEC60598-1** Luminaires - Part 1: General requirements and tests.
- EN 60598-2-5** Luminaires - Part 2-5: Particular requirements - Floodlights.

### 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

