

TECHNICAL DATA



711003070CW

GADIR STREET LUMINAIRE 100W 5700K 70°X150°

Gadir Street Luminaire for public lighting, 100W power and 14500lm luminous flux. Equipped with 192 pcs Lumileds SMD2835 LED chips and driver with 90-305vac input voltage. Asymmetrical 70° × 150° beam angle and 5700K colour temperature. Protection rating IP66 and mechanical impact resistance rating IK08 vandal-resistant. Die-cast aluminium body with RAL 9007 grey finish. Polycarbonate lenses. Adjustable mounting arm for installation on poles or columns.



PRODUCT SPECIFICATIONS

Item code:	711003070CW
Description:	Street luminaire for public lighting Gadir
EAN13 code:	8436568447438

ELECTRICAL DATA

Power:	100w
Voltage:	90-305vac
Hertz:	50/60 Hz
Driver brand:	MOSO
Driver model:	Serie X6
ENEC Certification of the driver:	YES
Power factor:	0,9
Dimmable:	NOT
Driver protections:	OVP, SCP, OPP, OTP
Overvoltage protection:	6kv
Overvoltage Option:	10kv
Electrical insulation class:	Class I
Connection:	L/N+TT

LUMINOUS DATA

Color temperature:	5700K
Luminous efficiency:	145 lm/w
Lumens:	14500lm
LED chip brand:	Lumileds
LED chip model:	SMD 2835
Number of LED chips:	192 pcs
Beam angle:	70°x150°

Light distribution:	Asimétrica
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 (5J vandal-resistant)
Operating temperature:	-20°~50°
Mounting type:	Surface
Mounting method:	Vertical mounting bracket for pole installation Horizontal mounting bracket for pole installation
Mounting device:	Internal diameter D62 mm
Tilt angle:	15°

AVERAGE LIFESPAN

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

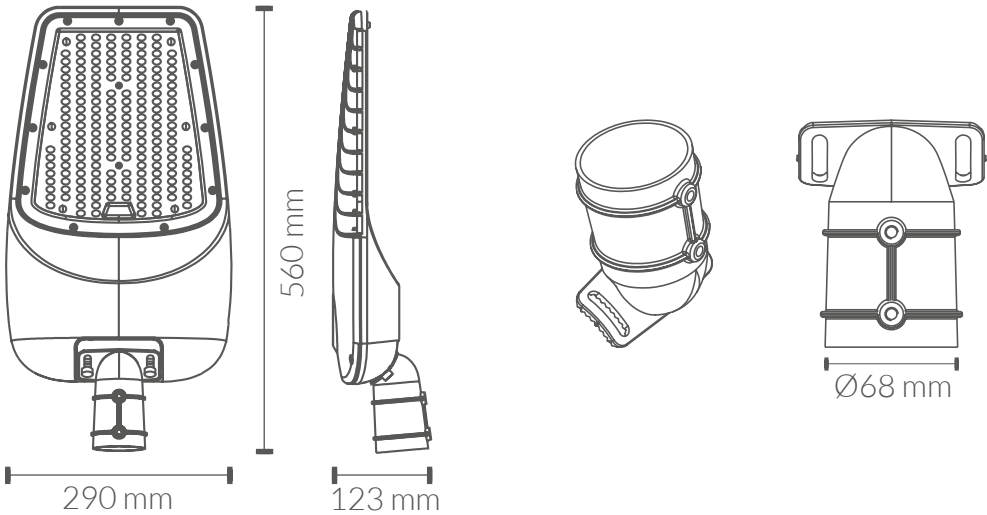
PHYSICAL DATA

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

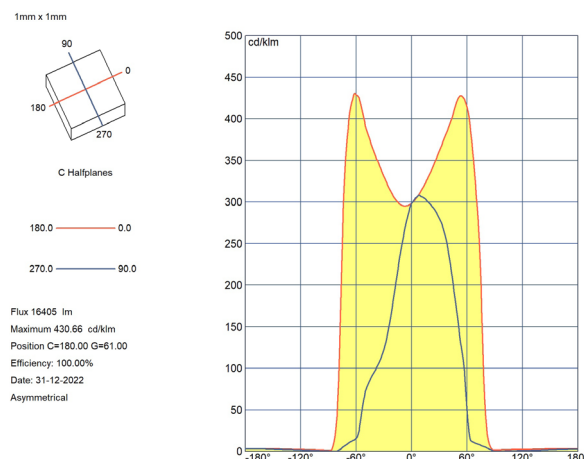
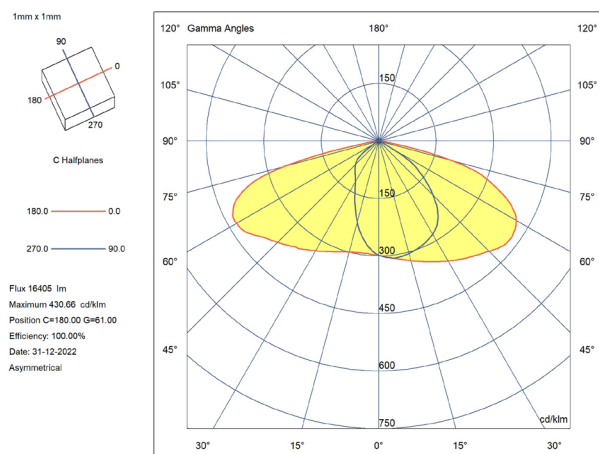
ENERGY EFFICIENCY 2023 (EU-2019/2015)

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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

