

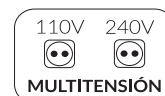
TECHNICAL DATA



735090NWR

VILLA DIMMABLE URBAN LUMINAIRE 50W 4000K 90°

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. Symmetrical 90° 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:	735090NWR
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:	90°
Light distribution:	Symmetrical
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

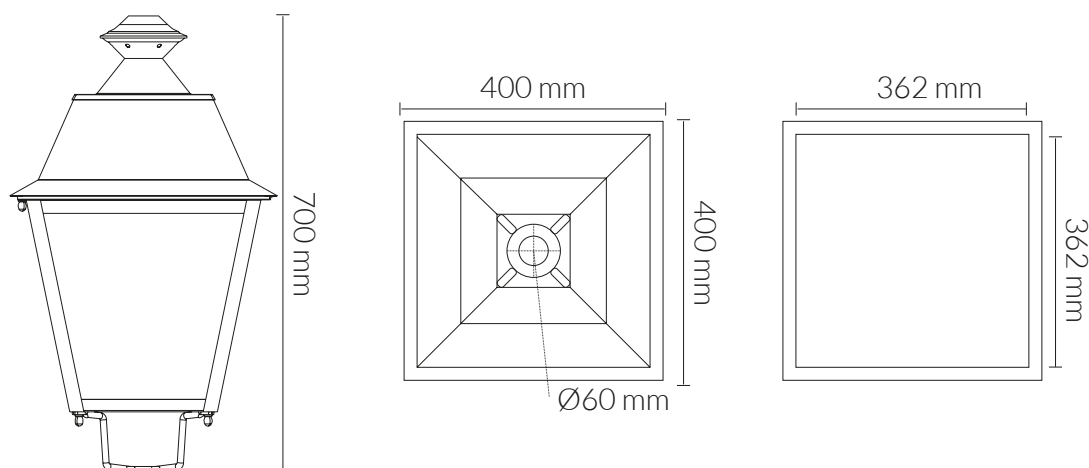
Weight

Weight:	11,50 kg
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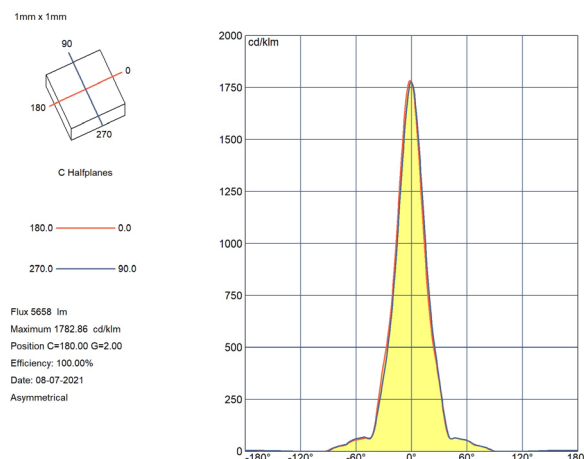
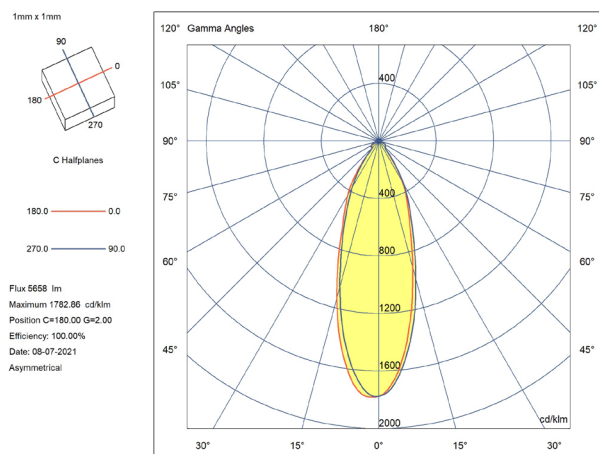
ENERGY EFFICIENCY 2023 (UE-2019/2015)

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

