ARQUILED presents the **SCULPTOR 100** and **SCULPTOR 200**, a range of LED luminaires designed for high energy efficiency, with a wide range of power consumption.

This range is based on a modern aesthetic of streamlined lines and smooth body, thus not allowing the accumulation of dust or dirt and ensuring a high performance and long-life span. This is only possible thanks to the innovative technology developed in-house by ARQUILED engineers, which allows heat dissipation without any visible fin. And thanks to its die-cast aluminum body, it has an extremely optimized dimension-to-weight ratio.

HIGH ENERGY EFFICIENCY IN STREET LIGHTING

- Wide range of photometric data and power consumption.
- High-power LED.
- High luminous efficacy: up to 159 lm/W.
- Excellent light quality: IRC ≥ 70.
- Energy efficiency up to 80%.
- Compatible with a wide range of connectivity solutions for Smart Cities.
- Different control options: integrated or external via NEMA or Zhaga.
- Maximum luminous efficacy throughout the entire life cycle.

APPLICATION AREAS

- Rural, urban, and residential areas.
- Pedestrian paths and highways.
- Parking lots.

SCULPTOR

HIGHLIGHTS

DESIGN

- Die-cast aluminum.
- High thermal dissipation.
- High mechanical impacts protection.

SCULPTOR 200

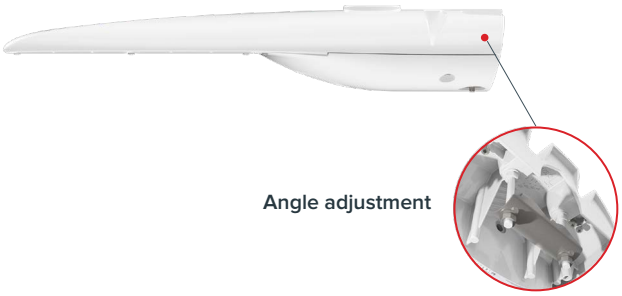
OPTICAL AND ELECTRONIC UNIT

- High level of protection in the LEDs module compartment.
- High level of protection in the driver's compartment and network connection.

SCULPTOR 100

ANGLE ADJUSTMENT

- Independent regulation: from -15° to + 5° (in 5° steps).



Angle adjustment

MULTIPLE OPTIONS

- Control and dimming option either integrated in the luminaire or via an external Plug n'Play device (NEMA or Zhaga).
- Control via photocell on NEMA socket.

Model with NEMA socket
(optional)

PRODUCT MODELS

	SCULPTOR 100 | 200
Power consumption[1]	5 - 160 W (according with model)
Luminou flux range[1]	678 - 22 296 lm
Luminous efficacy	Up to 159 lm/W

Model with Zhaga socket
(optional)

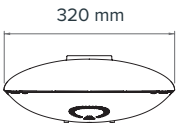
[1] The initial flux, power and energy consumption of the luminaire are indicative values valid for an ambient temperature =25°C and measured at 230V. The actual flux emitted by the luminaire depends on some conditions, such as temperature, and may vary according to the model. The values indicated are subject to technological tolerances, within reasonable variations and the current state of the art.

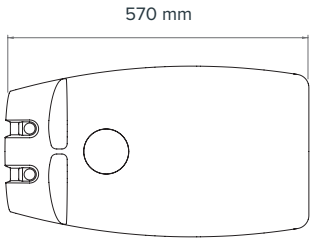
SCULPTOR

DIMENSIONS

SCULPTOR 100

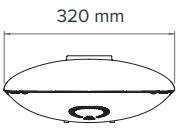
Standard	125 mm
COMMS. Ready	145 mm
NEMA Ready	172 mm
Zhaga Ready	142 mm

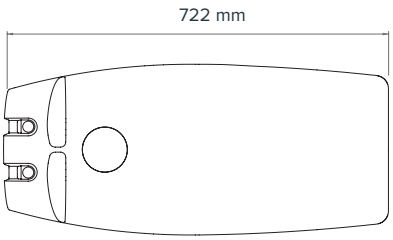




SCULPTOR 200

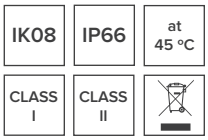
Standard	125 mm
COMMS. Ready	145 mm
NEMA Ready	172 mm
Zhaga Ready	142 mm





SPECIFICATIONS

Housing	Die-cast aluminum
Product finishing	Polyester coating
Color of the product	RAL 7035[2]
Diffuser	Tempered glass
Ingress protection (IEC – EN 60598)	IP66
Mechanical impacts protection (IEC – EN 62262)	IK08
Correlated Color Temperature (CCT)	3 000 K / 4 000 K[2]
Chromatic Restitution Index (CRI)	≥ 70[2]
Lumen flux maintenance at 100.000h	> 95%[3]
Nominal voltage	E.U.: 230 V / 50 Hz U.S.A.: 100 - 277 V / 50 - 60 Hz
Surge overvoltage protection (EN 61000-4-5)	4 kV / 10 kV
Electrical class	Class I / Class II
Driver	ON-OFF / 0-10 V / DALI / DALI 2
External Plug n'Play connectors (optional)	NEMA socket - 5 & 7 pins (ANSI C136.41) Zhaga socket
Mounting	Lateral mounting (standard) Post-top mounting (with optional accessory)
Inside mounting diameter	ø 32 - 60 mm
Angle adjustement	From -15° to +5° (in 5° steps)
Smart Cities' solutions	**Integrated management system**: ECCOS City **Lighting control and dimming systems:** ECCOS Single, Street, Embedded, and Controller **Pedestrian traffic monitoring and counting system**: MYRIAD Counter

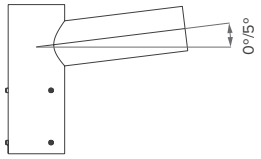


[2] Other options available on request.
[3] In accordance with IES LM-80 - TM-21.

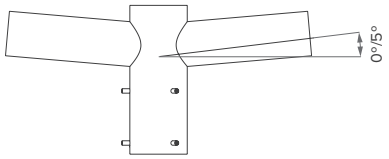
SCULPTOR

ACCESSORIES

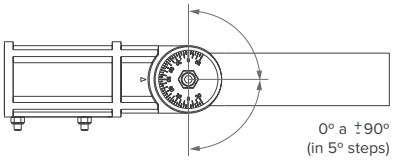
Post-top - Single



Post-top - Double

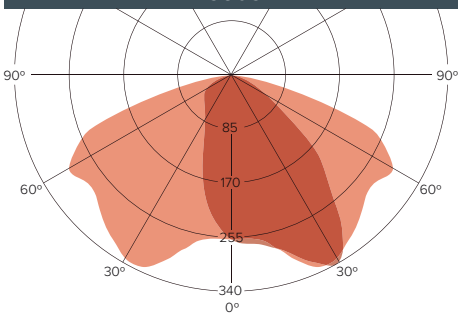


Universal Adapter



PHOTOMETRIC DATA[4]

13503



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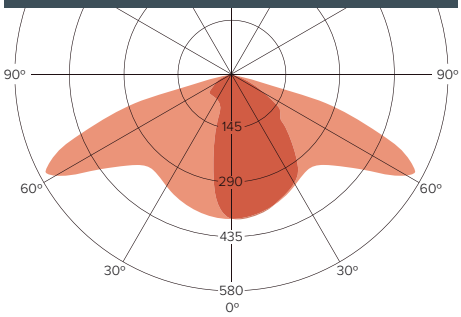

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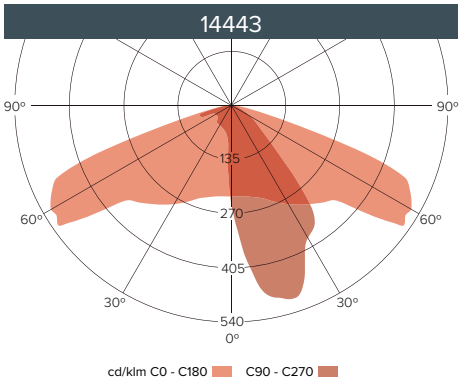

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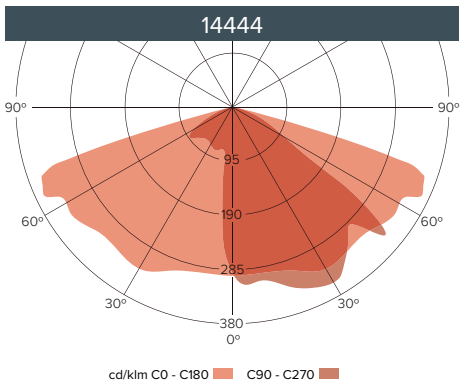

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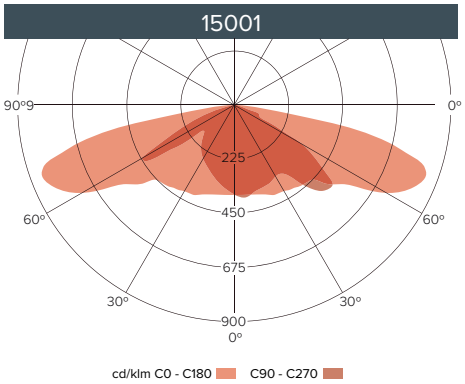

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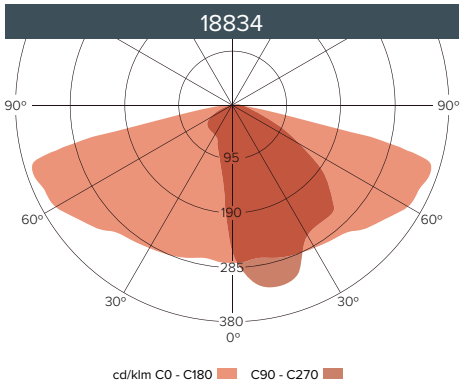


[4] Other options available on request.

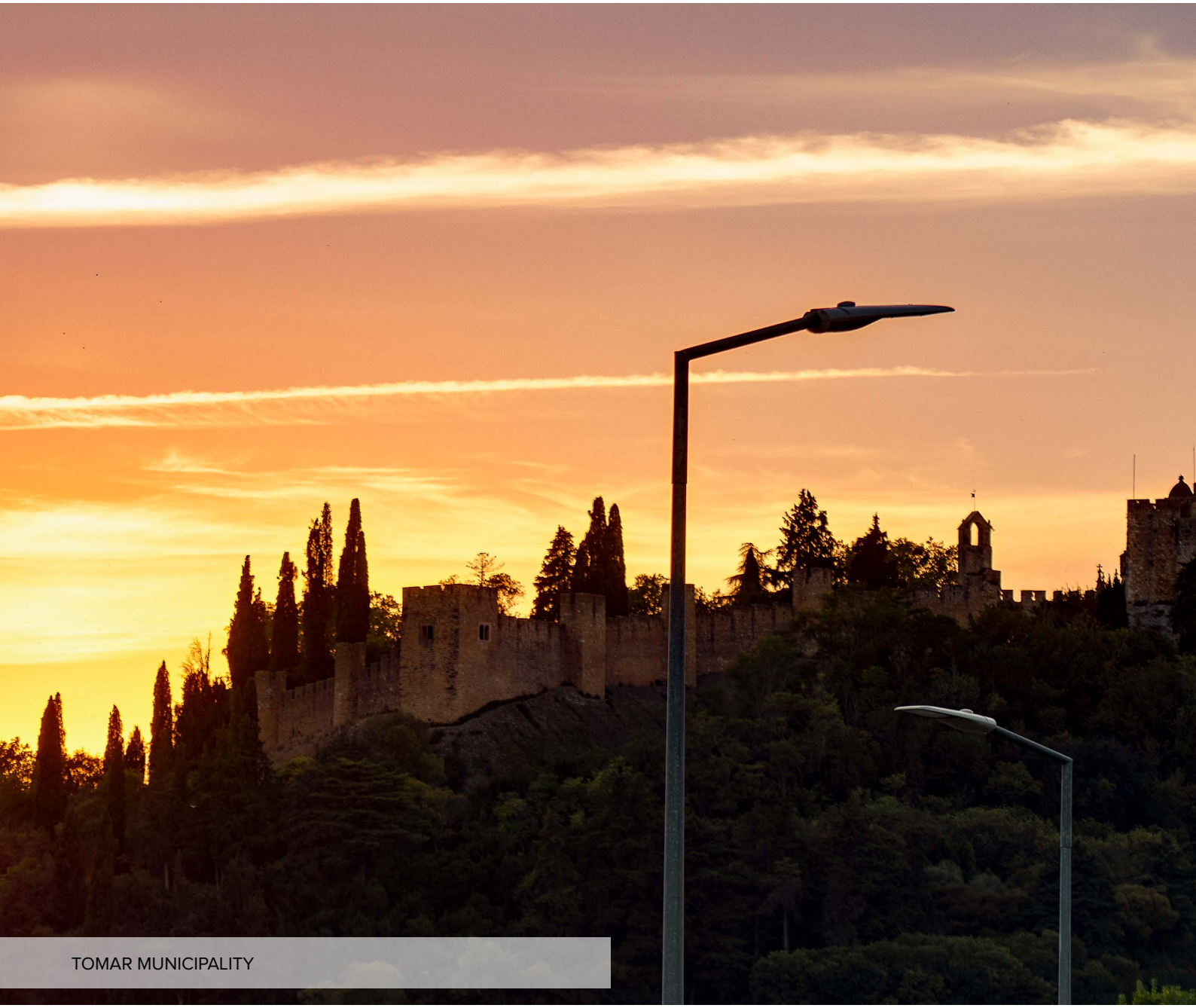
SMART CITIES | IoT CONNECTIVITY SOLUTIONS

MONITORING AND ACCOUNTING OF FOOT TRAFFIC

MYRIAD Counter

Non-intrusive monitoring system of movement flows, duration, and distance of pedestrian traffic operated by a WiFi® range of sensors. The system collects the data and allows to make data analysis almost instantaneously.

The sensor network can be installed anywhere, with electrical power and communications or based on the street lighting infrastructure - coupled to luminaires with connectivity.



TOMAR MUNICIPALITY

SCULPTOR

LIGHTING CONTROL AND DIMMING

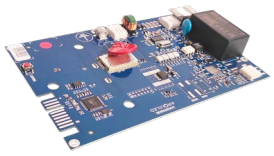
ECCOS systems are a set of lighting control and light variable intensity (dimming) that offer an adaptable and scalable wide range for each street lighting project needs. From the simplest solution for controlling and scale a luminaire flux intensity, to the most sophisticated remote management systems for street lighting.

Each system is designed accordingly with each municipalities' needs and can go through solutions integrated in the luminaires to external devices (Plug n'Play type), easily coupled to the luminaires.

INTERNAL STREET LIGHT CONTROLLERS

ECCOS Embedded

Internal communications module to control and dimming light through a management platform.



ECCOS Street

Internal dimming device, per group of luminaires, for up to 16 dimming profiles, with a maximum of 10 circuits, that operates the command and control the light intensity of electric micro cuts.

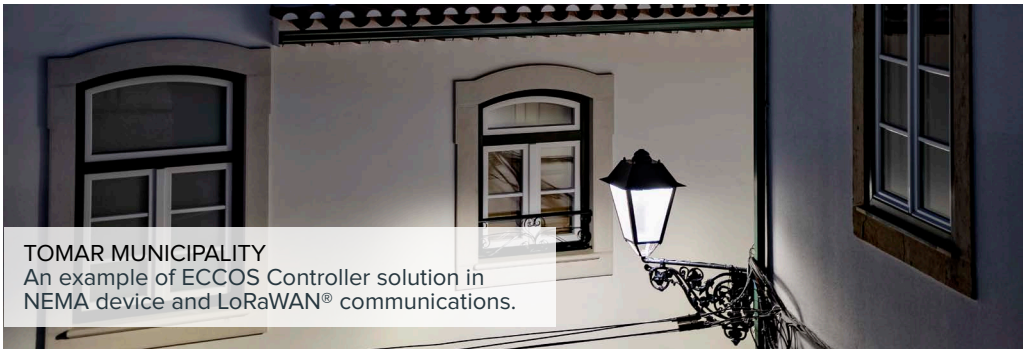
ECCOS Single

Individual and autonomous control system integrated in the luminaire to set up to 16 factory-defined or customer-defined operating modes in pre-set time slots, without the need for any additional control.

EXTERNAL LIGHTING CONTROLLERS

ECCOS Controller

External monitoring module (in NEMA socket) to control and dimming light, through a management platform.



TOMAR MUNICIPALITY
An example of ECCOS Controller solution in NEMA device and LoRaWAN® communications.

MANAGEMENT SYSTEMS

ECCOS city

Management system, bidirectional and geolocated for street lighting, in a SaaS mode, integrated in the luminaire. Based on various communication technologies such as GSM / M2M and LoRaWAN®, among others, it allows to remotely manage the luminaires via web application, with automation tasks and alerts.
The management platform allows the integration with other IoT systems.