



STREET
LIGHTING

ROAD HM

ARQUILED presents the **ARGUS 100** and **ARGUS 200**, the latest family of road luminaires that combine energy efficiency with performance.

These luminaires, produced in die-cast aluminum, are show-cased with the possibility to have a glass diffuser or to not include diffuser. It is a complete solution with a wide variety of photometry's and power consumption which are adaptable to different types of applications: pedestrian and residential areas, highways, and parking lots.

Maximum efficiency in street lighting, with a balanced quality-price ratio.

MAXIMUM EFFICIENCY IN ROAD STREET LIGHTING

- Version without diffuser and with glass diffuser.
- Wide range of power consumption and currents.
- High luminous efficacy: up to 171 lm/W.
- Energy efficiency up to 80%.
- Dimming via either integrated control or external control.
- Top tilting lid; easy opening (optional).
- Compact and powerful, light, and robust.
- Versatile, efficient, and affordable.
- Compatible with a wide range of connectivity solutions for Smart Cities.

APPLICATION AREAS

- Urban and rural areas.
- Highways and pedestrian paths.
- Parking lots.



HIGHLIGHTS

DESIGN

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

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.

TILTING COVER LID

- The top tilting cover lid allows easy access to the accessory block for connections and maintenance.
- Easy opening or safety system (optionals).

ANGLE ADJUSTMENT

- Independent regulation: from -15° to $+5^{\circ}$ (in 5° steps).

MULTIPLE OPTIONS

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

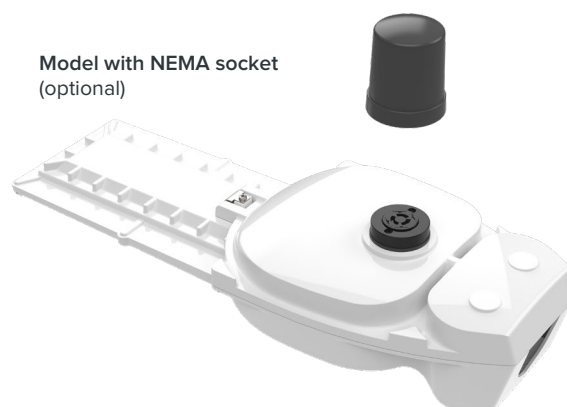
PRODUCT MODELS

	WITHOUT DIFFUSER	WITH DIFFUSER
Power consumption ¹	10 - 144 W (depending on configuration)	
Luminous flux range ¹	1 330 - 20 346 lm	1 250 - 18 345 lm
Luminous efficacy	Up to 171 lm/W	Up to 160 lm/W

¹ The initial flow and power consumption of the luminaire are indicative and valid values for an ambient temperature = 25°C. The real output flux of the luminaire depends on specific conditions, such as temperature, and may vary with specific configurations. The indicated values are subject to tolerances in technology, within reasonable variations, and according with the current state of the art.



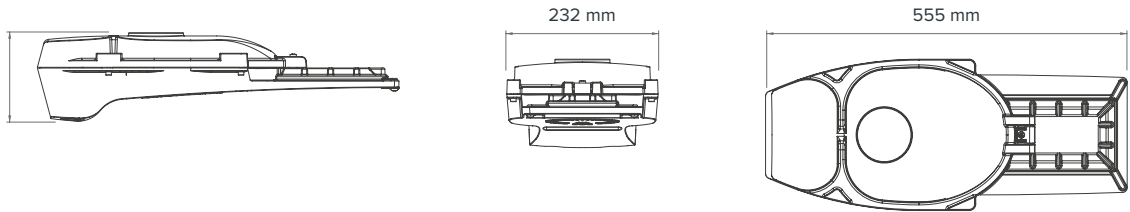
Model with NEMA socket (optional)



DIMENSIONS

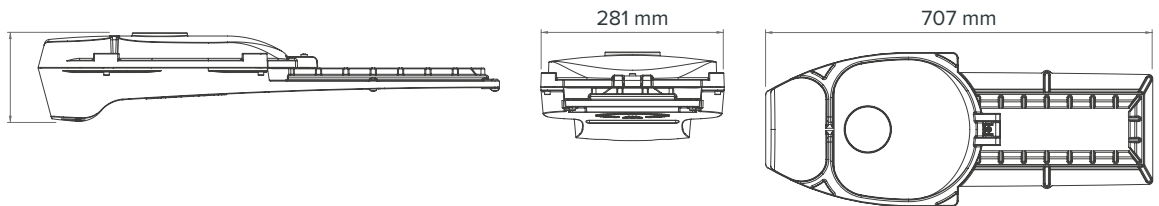
ARGUS 100

Standard	135 mm
COMMS. Ready	155 mm
NEMA Ready	185 mm
Zhaga Ready	154 mm




ARGUS 200

Standard	135 mm
COMMS. Ready	155 mm
NEMA Ready	185 mm
Zhaga Ready	154 mm



SPECIFICATIONS

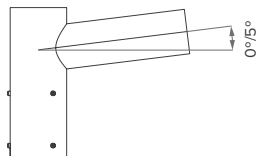
Housing	Die-cast aluminum
Product finishing	Polyester coating
Color of the product	RAL 7035 ²
Diffuser	Version without diffuser Tempered glass version
Ingress Protection (IEC – EN 60598)	IP66
Mechanical impacts protection (IEC – EN 62262)	IK08
Correlated Color Temperature (CCT)	3 000 K / 4 000 K ²
Chromatic Restitution Index (CRI)	≥ 70 ²
Lumen flux maintenance at 100.000h	> 75% 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
Solutions for Smart Cities	Lighting control and dimming systems ECCOS Single, Street, Controller e City
Mounting	Horizontal (standard) Vertical (w/ optional accessory)
Inside mounting diameter	ø 32 - 60 mm
Angle ajustement	From -15° to +5° (in 5° steps)

IK08	IP66	at 45 °C
CLASS I	CLASS II	

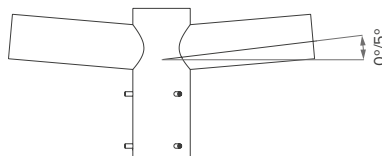
² Other options available on request.
³ In accordance with IES LM-80- TM21.

ACCESSORIES

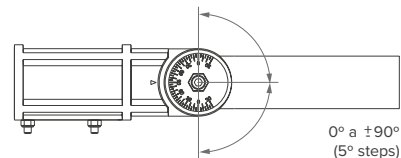
Vertical Mounting - Single



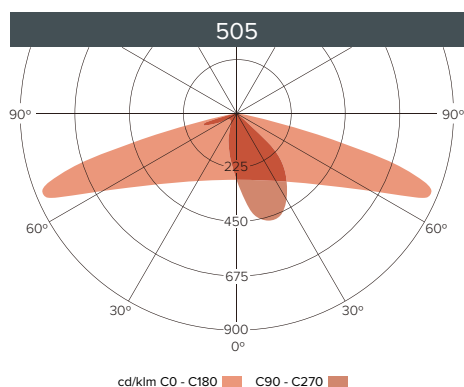
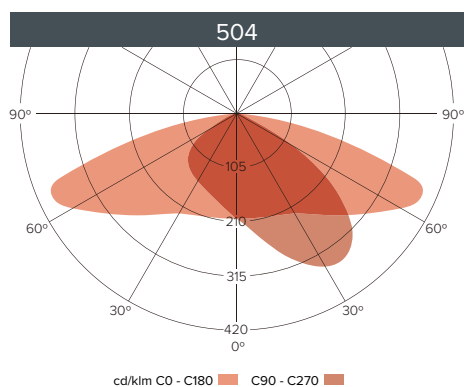
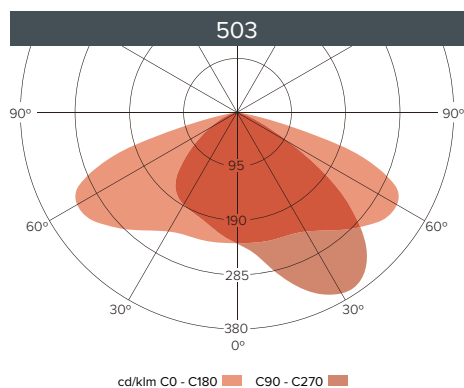
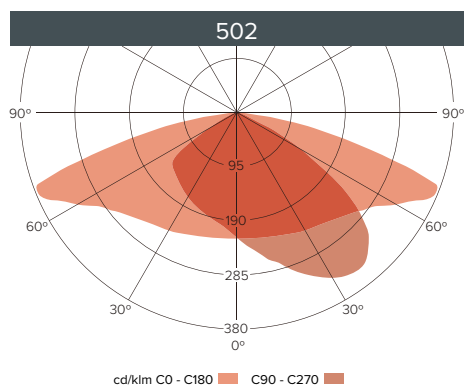
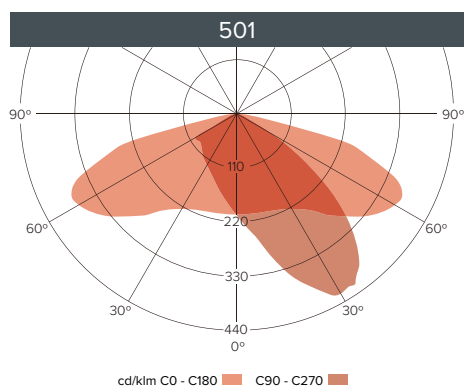
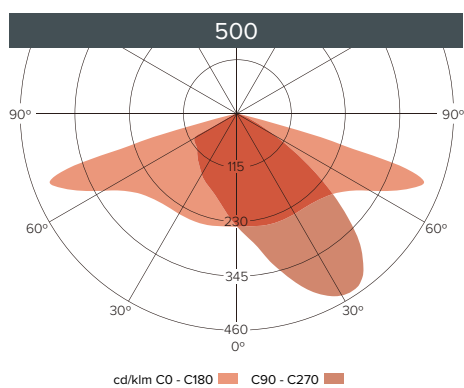
Vertical Mounting - Double



Universal Adapter



PHOTOMETRIC DATA⁴



⁴ Other options available on request.

SMART CITIES | IoT CONNECTIVITY SOLUTIONS

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 and Play type), easily coupled to the luminaires.

LIGHTING CONTROL AND DIMMING

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.

ECCOS ctr

Similar in everything to the ECCOS city, except that has external integration to the luminaire, via NEMA socket.

ECCOS street

Dimming, per group of luminaires, up to 16 flux profiles, with a maximum of 10 circuits, which operates the command and control of the light intensity, through a system of electric micro cuts.

ECCOS single

Individual control system that integrates the luminaire. Possibility of defining savings profiles according to predefined time intermissions and light flux levels, up to 5 profiles (programmed in the factory).



TOMAR MUNICIPALITY

An example of ECCOS controller solution in NEMA device and LoRaWAN® communications.