

ARGUS

STREET
LIGHTING

ROAD HM

ARQUILED presents **ARGUS**, the latest family of road luminaires, designed for different types of roads, combining energy efficiency and performance.

These luminaires, produced in die-cast aluminum, come in three types of housing for maximum flexibility - **ARGUS 100A**, **ARGUS 100** and **ARGUS 200** - with the possibility of having or not having a glass diffuser. It's a complete solution with a wide range of photometric data and different power consumptions for different types of roads and applications: pedestrian and residential areas, highways, and parking lots. Maximum efficiency in street road lighting, with a very balanced quality-price ratio.

MAXIMUM EFFICIENCY IN ROAD STREET LIGHTING

- Version with glass diffuser and without diffuser
- Wide range of power consumption
- High luminous efficiency: up to 171 lm/W
- Energy efficiency up to 80%
- Dimming control options: integrated or external via NEMA or Zhaga connectors
- 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



MULTIPLE OPTIONS

DESIGN

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



ARGUS 200 without diffuser
(available with glass diffuser)

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



ARGUS 100 with glass diffuser
(option available without diffuser)

TILTING COVER LID

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

ANGLE ADJUSTMENT

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



ARGUS 100A without diffuser

SMART READY

- Lighting control and dimming: ECCOS Embedded
- External control and dimming (NEMA or Zhaga): ECCOS Controller
- Zhaga Sensors



ARGUS 100A with motion sensor
(optional)

PRODUCT MODELS

	WITHOUT DIFFUSER	WITH DIFFUSER
Power consumption ¹	10 - 138 W (depending on configuration)	
Luminous flux ¹	1,601 - 22,395 lm	1,618 - 20,900 lm
Luminous efficiency	Up to 171 lm/W	Up to 160 lm/W

IK08	IP66	at 45 °C	CLASS I	CLASS II	
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Version with adapter for NEMA connector
Also available for Zhaga

SPECIFICATIONS

Housing	Die-cast aluminum
Product finishing	Polyester coating
Product color ²	RAL 7035
Diffuser	Version without diffuser Tempered glass version
Ingress protection (IEC – EN 60598)	IP66
Mechanical impacts protection (IEC – EN 62262)	IK08
Correlated Color Temperature (CCT)	2200 K / 2700K / 3000 K / 4000 K / 5000 K ²
Chromatic Restitution Index (CRI)	≥ 70 ²
Lumen flux maintenance at 100,000h	> 80% 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 ⁴	ON-OFF / 0-10 V / DALI-2 / D4i
Connectivity (optional)	Board embedded 5-pin and 7-pin NEMA connector (ANSI C136.41) Zhaga connector
Smart Cities' solutions (optional)	Integrated Management System: ECCOS City Lighting control and dimming systems: ECCOS Single Advanced, ECCOS Embedded, and ECCOS Controller Pedestrian traffic monitoring and counting system: MYRIAD Counter
Mounting	Lateral mounting (standard) Post-top mounting (with optional accessory)
Inside mounting diameter	ø 42 - 60 mm (ARGUS 100A) ø 32 - 60 mm
Angle adjustment	From -15° to +5° (in 5° steps)

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.

² Other options available on request.

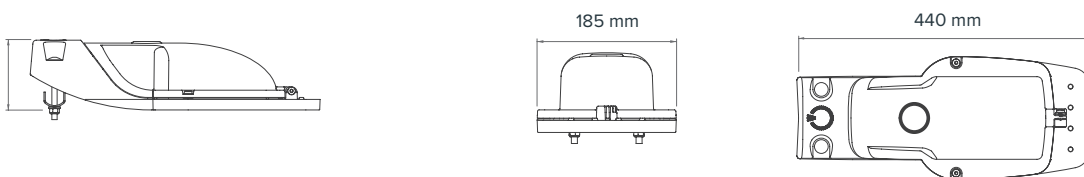
³ In accordance with IES LM-80 - TM-21.

⁴ Specifications vary according to model and configuration.

DIMENSIONS

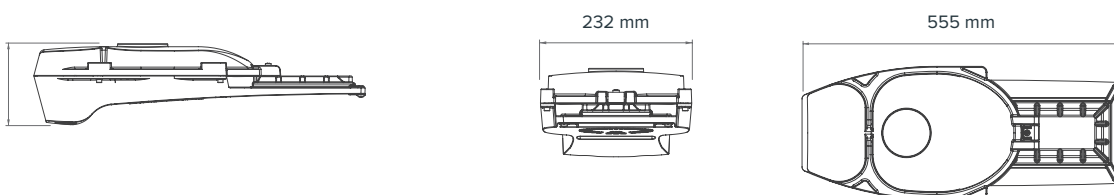
ARGUS 100A

Standard	121 mm
Zhaga Ready	140 mm



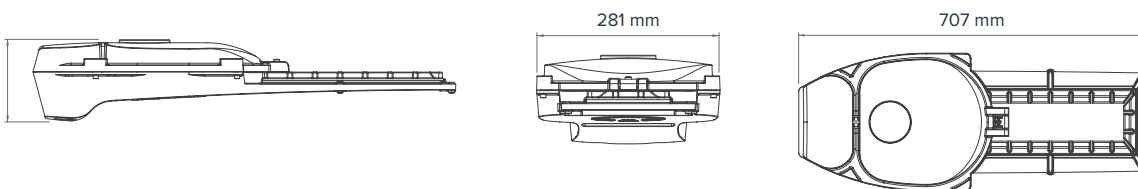
ARGUS 100

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

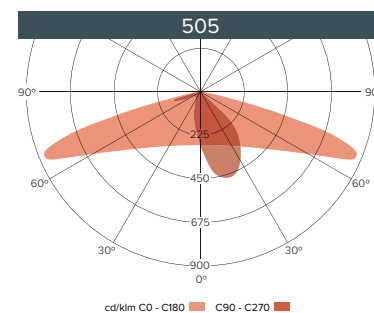
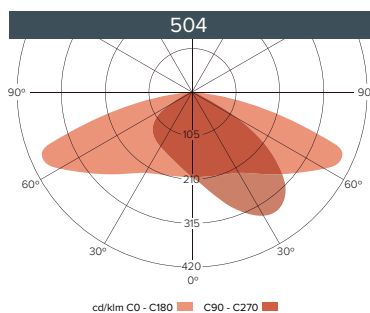
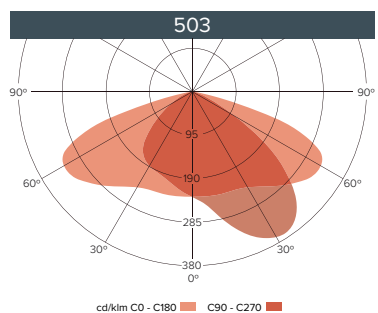
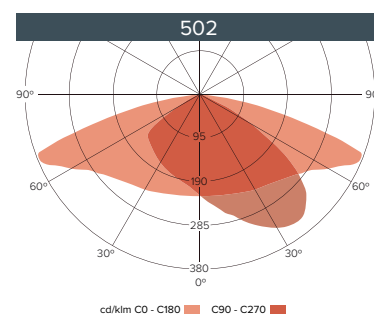
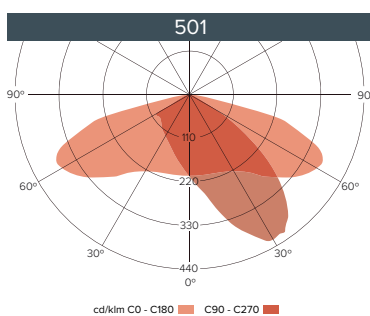
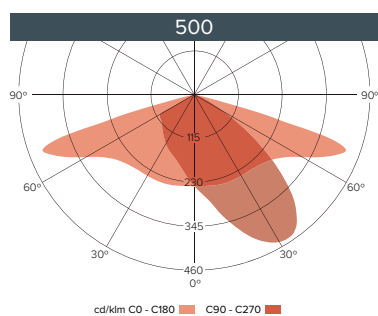


ARGUS 200

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



OPTICAL DATA²



² Other options available on request.

SMART CITIES | IoT CONNECTIVITY SOLUTIONS

MANAGEMENT SYSTEM

ECCOS city

ARQUILED's integrated management system for remote control of street lighting contributes significantly to reducing energy consumption, lowering maintenance costs, and improving the reliability of lighting infrastructure.

Through an easy and intuitive web-based platform, it is possible to control and manage devices such as luminaires, either individually or in groups of several light points, adapting energy saving profiles according to the needs of the project.

This integrated street lighting network management solution provides detailed information on the activity of the lighting system, facilitating and maximizing its monitoring and management.

The modular system can be progressively expanded according to the needs of the street lighting infrastructure.

- Remote lighting management to maximize energy savings
- Reduction in operating costs
- Individual or group programming
- Intuitive and customizable interface
- Agnostic and interoperable system
- Platform longevity and interoperability

LIGHTING CONTROL AND DIMMING

ARQUILED offers a range of lighting control systems that are adaptable and scalable to the different needs of street lighting projects.

Each system is designed according to the infrastructure needs of municipalities and can include solutions integrated into the luminaires or external devices (Plug n' Play type) that can be easily attached to the luminaires.

ECCOS single advanced

Integrated control in the luminaire to dimm light, through smart controllers with factory-programmed energy-saving profiles.

ECCOS embedded

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

ECCOS controller

External device (in NEMA or Zhaga socket) to control and dimming light, through a management platform.

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.