ARQUILED
BRIGHT NEW FUTURE

ARGUS

STREET LIGHTING | ROAD HM

Arquiled's **Argus** luminaires are designed for different types of roads, combining energy efficiency and performance.

These luminaires, made of die-cast aluminum, come in four types of housing for maximum flexibility, with the option of a glass diffuser or no diffuser, depending on the model, as well as extensive connectivity options.

They are a complete solution with a wide variety of photometric data and power consumption levels adaptable to different types of roads and applications. 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

CE RoHS

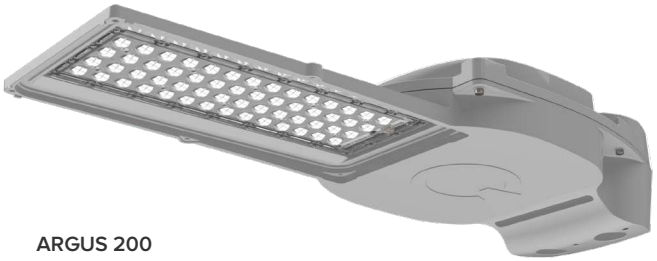
Specifications vary according to model and configuration.

ARGUS

MULTIPLE OPTIONS

DESIGN

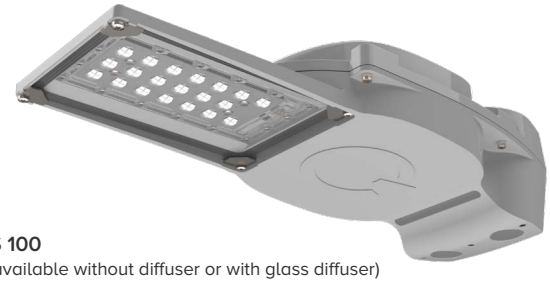
- Die-cast aluminum
- High thermal dissipation
- High mechanical impacts protection
- Independent regulation: From -15° to + 5° (in 5° steps)



ARGUS 200
(option available without diffuser or 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
(option available without diffuser or with glass diffuser)

TILTING COVER LID

- The top tilting cover lid allows easy access to the accessory block for connections and maintenance
- Easy opening (optional)[1]

ARGUS 100A
(model without diffuser)

SMART READY

- Lighting control and dimming: ECCOS Embedded[1]
- External control and dimming (NEMA or Zhaga): ECCOS Controller[1]

ARGUS 100A
With motion sensor (optional)
(model without diffuser)

ZHAGA D4i CERTIFICATION

- Argus - prepared for smart cities, with support for presence sensors, photocells, communication modules (LoRa, NB-IoT, among others)[1]
- Easy maintenance and updating
- Plug n' Play interoperability when changing controllers or sensors[1]
- Reduced integration and installation costs

ARGUS 100D
(model without diffuser)

[1] Specifications vary according to model and configuration.

ARGUS

PRODUCT MODELS

	WITHOUT DIFFUSER	WITH DIFFUSER
Power consumption[2]	10 - 138 W (depending on configuration)	
Luminous flux[2]	1601 - 22395 lm	1618 - 20900 lm
Luminous efficiency	Up to 171 lm/W	Up to 160 lm/W

IK08 | IK10 | IP66 | Ta 35°C | Ta 45°C | CLASS I | CLASS II

Version with adapter for NEMA connector
Also available for Zhaga

SPECIFICATIONS

Housing	Die-cast aluminum
Product finishing	Polyester coating
Product color[3]	RAL 7035
Diffuser[1]	Version without diffuser (all models) Version with tempered glass diffuser (Argus 100, and Argus 200)
Ingress protection (IEC – EN 60598)	IP66
Mechanical impacts protection (IEC – EN 62262)[1]	IK08 / IK10
Correlated Color Temperature (CCT)[3]	2200K, 2700K, 3000K, 4000K, 5000K
Chromatic Restitution Index (CRI)[3]	≥ 70
Lumen flux maintenance at 100 000h[4]	> 80%
Nominal voltage	E.U.: 230V / 50Hz U.S.A.: 100-277V / 50-60Hz
Surge overvoltage protection (EN 61000-4-5)	4kV / 10kV
Electrical class	Class I / Class II
Driver[1]	ON-OFF / 0-10 V / DALI-2 / D4i
Connectivity[1] (optional)	Board embedded 5-pin and 7-pin NEMA connector (ANSI C136.41) Zhaga connector
Smart Cities' solutions[1] (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, and 100D) ø 32 - 60 mm
Angle adjustement	From -15° to +5° (in 5° steps)

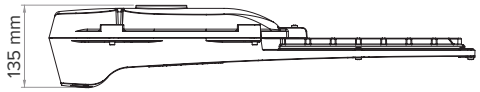
[1] Specifications vary according to model and configuration.
[2] The initial flux, power and energy consumption of the luminaire are indicative values valid for an ambient temperature =25°C and measured at 230V. The actual flux emitted by the luminaire depends on some conditions, such as temperature, 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.
[3] Other options available on request.
[4] In accordance with IES LM-80 - TM-21.

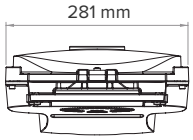
ARGUS

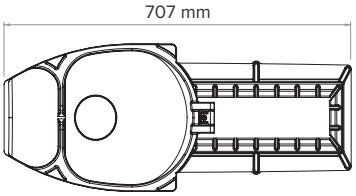
DIMENSIONS

ARGUS 200

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







ARGUS 100

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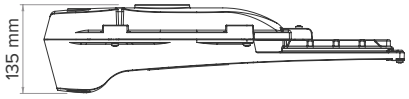
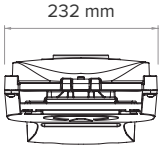
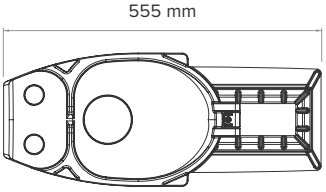
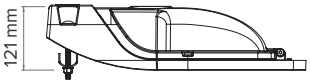


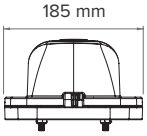


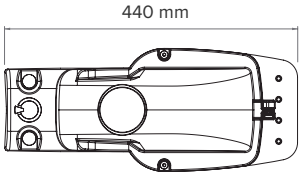


ARGUS 100A

Standard	121 mm
Zhaga Ready	140 mm

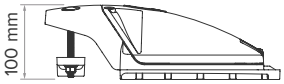


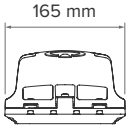


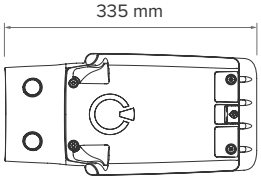


ARGUS 100D

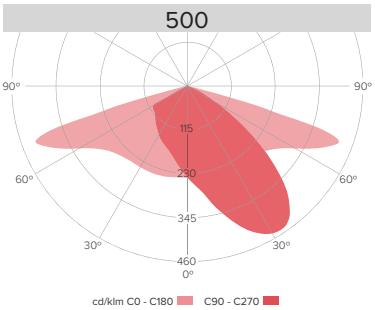
Standard	100 mm

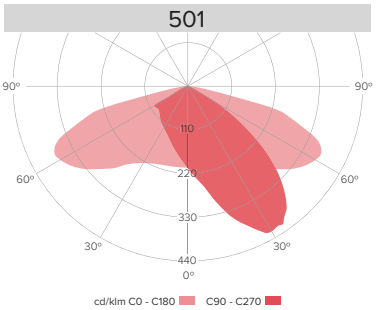


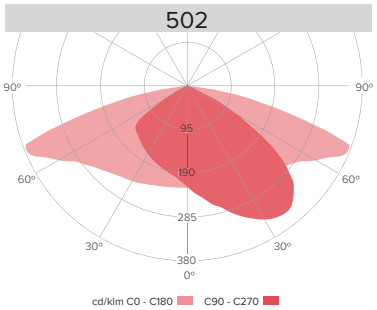


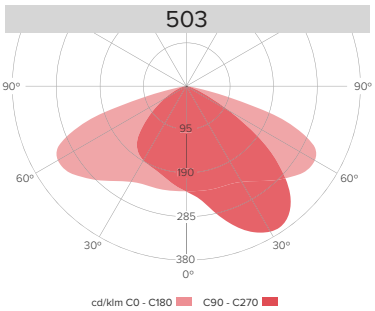


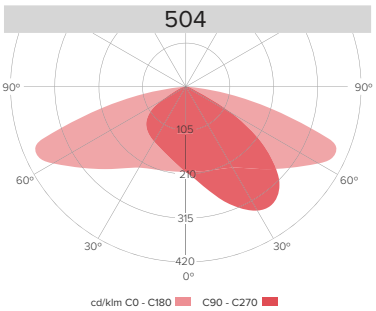
OPTICAL DATA[3]

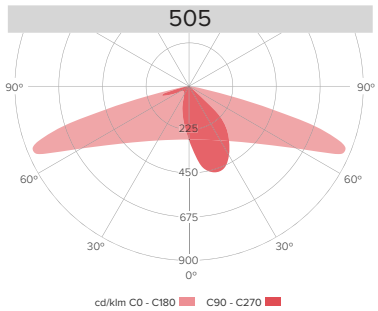












[3] Other options available on request.

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 dierent 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.