ARQUILED

BRIGHT NEW FUTURE

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 efficacy: up to 171 lm/W
- Energy efficiency up to 80%
- Dimming control options: integrated or external via NEMA and 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

ARGUS

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° (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)

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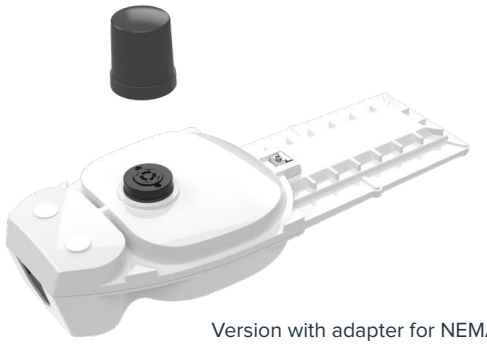
PRODUCT MODELS

	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



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, ECCOS Street, 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 adjustement	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.

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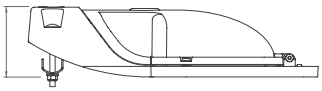
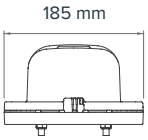
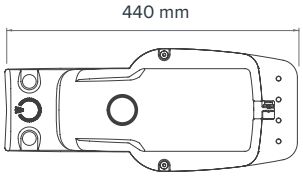
DIMENSIONS

ARGUS 100A

Standard	121 mm
Zhaga Ready	140 mm

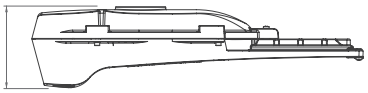


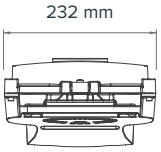


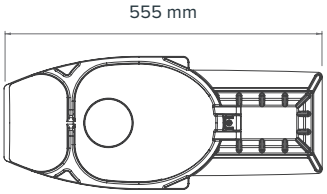


ARGUS 100

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

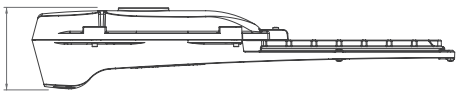


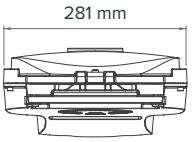


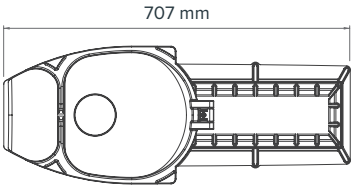


ARGUS 200

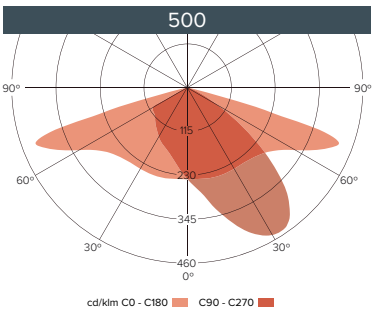
Standard	135 mm
COMMS. Ready	155 mm
NEMA Ready	185 mm
Zhaga Ready	154 mm

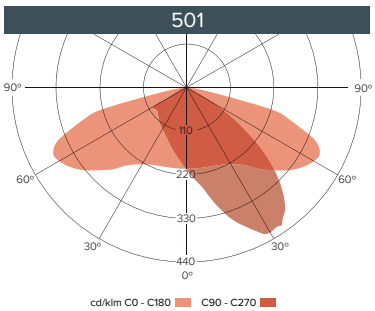


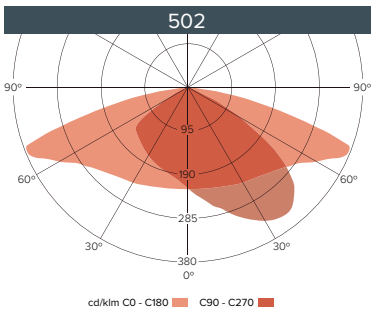


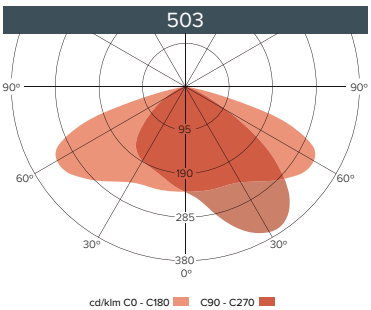


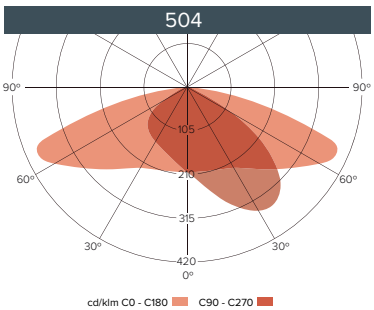
OPTICAL DATA[2]

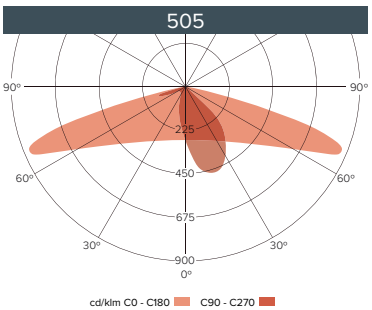












[2] Other options available on request.

SMART CITIES | IoT CONNECTIVITY SOLUTIONS

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 STREET LIGHT CONTROLLERS

ECCOS controller

External monitoring module (in NEMA 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.

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, LoRaWAN® and NB-IoT, 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.