

# OCTANS

STREET LIGHTING URBAN VM

Urban luminaire **Octans** from **Arquiled** is ideal for residential areas, city centers, parks and pedestrian zones, adapting to its context in a natural way and guaranteeing a unique aesthetic touch.

With its discreet and elegant design, the **Octans** luminaire adapts to any architectural setting, whether historical or contemporary. Thanks to a careful selection of materials, it guarantees excellent performance and offers a high ingress protection and long-life span.

## EFFICIENCY AND DESIGN

- Adaptable to historical and contemporary surrounding
- Various types of diffuser: transparent and translucent
- Aluminum or polycarbonate housing options
- Luminous efficiency: up to 123 lm/W
- Low energy consumption
- Dimming control options: integrated or external via NEMA or Zhaga
- Pre-wired for easy installation
- Robust and long-life span
- Compatible with a wide range of connectivity solutions for Smart Cities

## APPLICATION AREAS

- Residential areas and historical centers
- Squares, parks and gardens
- Pedestrian zones and byke paths
- Parking lots



## MULTIPLE OPTIONS

### DIFFUSER

- High-impact polycarbonate diffuser with UV protection
- Opal polycarbonate with radial electronic block, available in all models
- Clear polycarbonate with axial electronic block, available in models 10, 20, 30 and 40

### HOUSING

- Die-cast aluminum housing
- Polycarbonate housing

### OPTICAL AND ELECTRONIC BLOCK

- Axial or radial optical block, with a high protection index in the power supply and mains connection compartment

### SMART READY

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

### ZHAGA D4i CERTIFICATION

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



- Die-cast aluminum housing
- Clear polycarbonate diffuser with axial electronic block (models 10, 20, 30 e 40)
- External connector available on all models with aluminum housing (optional)

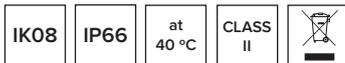


- Polycarbonate housing
- Clear polycarbonate diffuser with radial electronic block (models 50 e 70)
- Connectivity: embedded board available on all models with polycarbonate housing (optional)



## PRODUCT MODELS

	OCTANS 10   20   30   40   50   70
Power consumption <sup>1</sup>	7 - 69 W (depending on configuration)
Luminous flux <sup>1</sup>	1,396 - 7,431 lm
Luminous efficiency	Up to 123 lm/W



Version with NEMA connector, on die-cast aluminum housing  
Also available for Zhaga

## SPECIFICATIONS

Diffuser and cover	Clear polycarbonate (models 10, 20, 30, 40) Opal polycarbonate (all models)
Housing	Die-cast aluminum: standard version and version with NEMA/ Zhaga connector Polycarbonate: standard version only
Product color <sup>2</sup>	Base and cover: RAL 7016
Correlated Color Temperature (CCT) <sup>2</sup>	2200K, 2700K, 3000K, 3500K, 4000K
Lumen maintenance at 100,000h	> 95% <sup>3</sup>
Chromatic Restitution Index (CRI)	≥ 70 <sup>2</sup>
Ingress protection (IEC – EN 60598)	IP66
Mechanical impacts protection (IEC – EN 62262)	IK08
Nominal voltage	230V / 50Hz
Surge overvoltage protection (EN 61000-4-5)	4kV / 10kV
Electrical class	Class II
Driver <sup>4</sup>	ON-OFF / 0-10V / DALI-2 / D4i
Connectivity (optional)	Board embedded 5-pin and 7-pin NEMA connector (ANSI C136.41) Zhaga connector
Smart Cities' solutions (optional)	<b>Integrated Management System:</b> ECCOS City <b>Lighting control and dimming systems:</b> ECCOS Single Advanced, ECCOS Embedded, and ECCOS Controller <b>Pedestrian traffic monitoring and counting system:</b> MYRIAD Counter
Mounting	Post-top
Inside mounting diameter	ø 60 mm <sup>2</sup>

<sup>1</sup> 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.

<sup>2</sup> Other options available on request.

<sup>3</sup> In accordance with IES LM-80- TM21.

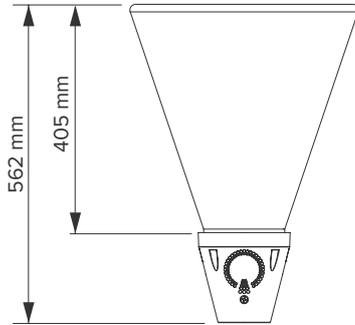
<sup>4</sup> Specifications vary according to model and configuration.



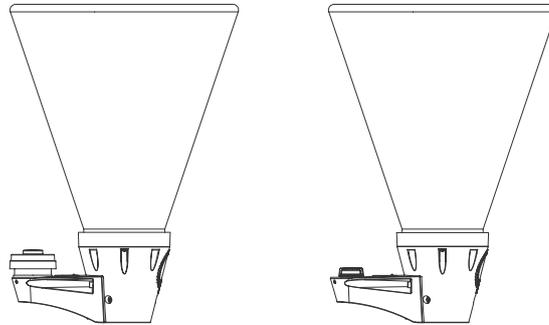
## DIMENSIONS

### DIE-CAST ALUMINUM HOUSING

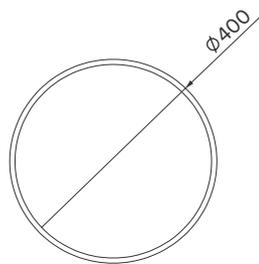
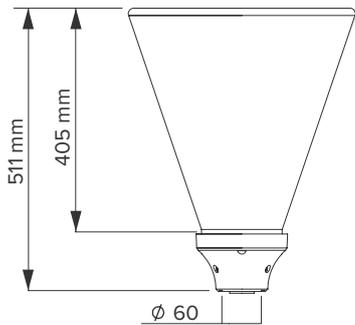
Standard



With NEMA / Zhaga connector

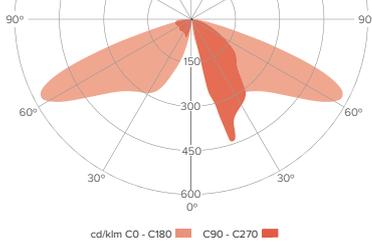


### POLYCARBONATE HOUSING

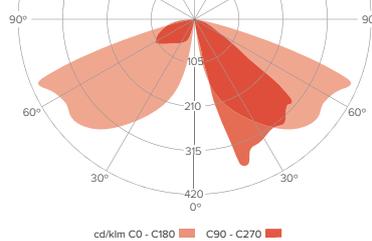


## OPTICAL DATA<sup>2</sup>

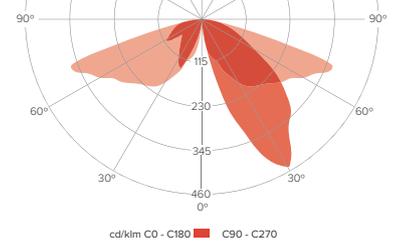
Medium Wide Beam I



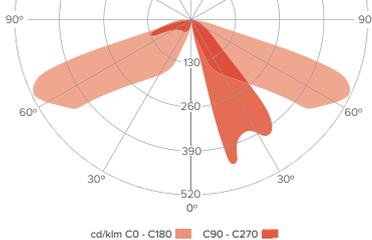
Wide Beam I



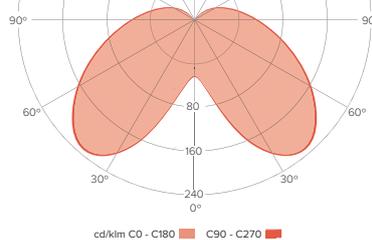
Wide Beam V



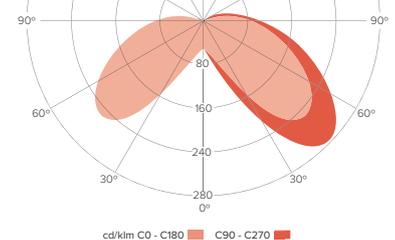
Extra Wide Beam I



Narrow Beam I - Symmetrical



Narrow Beam I



<sup>2</sup> 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.

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