

Arquiled presents **Volans** the urban luminaire ideal for residential areas like squares, public gardens, pedestrian and bike paths, that blends in a natural way.

The unique shape of **Volans** luminaire is ideal for enjoyment and leisure public spaces by giving a solid contribution to public safety and Citié's efficiency.

Due to a careful selection of materials, the **Volans** luminaire assures an outstanding performance with a high protection degree during a long-life span.

## RELIABILITY

This luminaire is made of outstanding quality materials with an optical block of IP66 with high sealing level and an IK06 shock resistance level, making it the ideal solution for lower installation height. With a unique high impact PMMA difuser it is resistant to the sea air and corrosion due to an anti-UV treatment.

## PERFORMANCE

The **Volans** optical set was designed to achieve excellent performance concerning the light distribution - allowing to direct the light where it's needed and reducing the light pollution - keeping the stars and the moon to remain visible.

The excellent thermal dissipation combined with resistance and energy savings allows to maximise its performance during a long-life span.

## APPLICATION

- Residential areas
- Squares, public parks and gardens
- Pedestrian and bike paths
- Parking lots

## BENEFITS

- Perfect for classical and contemporary ambience
- Pre-cabled for easy installation
- Low energy consumption
- Easy maintenance
- Robustness
- Long-life span





# VOLANS

up to  
**122 lm/W**  
light efficiency

up to  
**80%**  
energy efficiency

## ELECTRONIC BLOCK

Independent module  
High performance driver  
Integrated thermal protection

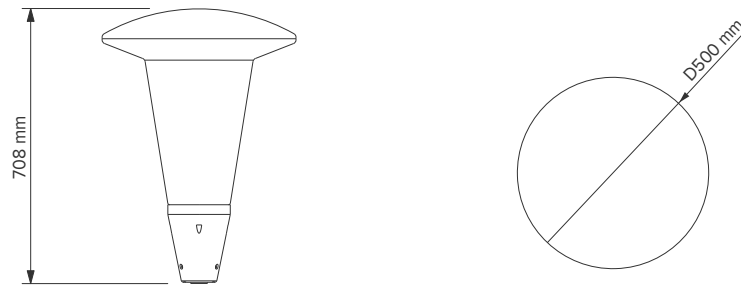


IP66

Ta  
40°C

CLASS  
II

## DIMENSIONS



## PRODUCT MODELS

Product Models	VOLANS 50   70
Power Consumption <sup>(1)</sup>	7 - 69 W (depending on configuration)
Luminous Flux <sup>(1)</sup>	2,069 - 7,426 lm
Luminous Efficiency	Up to 122 lm/W

## SPECIFICATIONS

Housing	Polycarbonate (base), and stainless steel (cap)
Housing diffuser	Opal PMMA
Product color	RAL 7016*
Correlated Color Temperature (CCT)	3000K / 4000K
Lumen maintenance at 100,000h	> 95% <sup>(2)</sup>
Chromatic Restitution Index (CRI)	≥ 70
Ingress protection (IEC – EN 60598)	IP66
Mechanical impacts protection (IEC – EN 62262)	IK06
Nominal voltage	230V / 50-60Hz*
Surge overvoltage protection (EN 61000-4-5)	4kV / 10kV
Electrical class	Class II
Mounting	Vertical
Inside mounting diameter	Ø 60 mm

<sup>(1)</sup> The initial flux and power consumption of the luminaire are indicative values and valid for @t<sub>j</sub>=25°C. The real flux output of the luminaire depends on specific conditions, such as temperature and may vary with specific configurations. The values are subject to tolerances in technology.

<sup>(2)</sup> In accordance with IES LM-80 - TM-21.

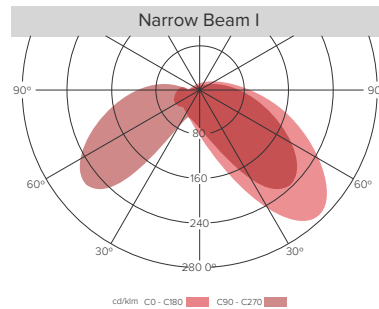
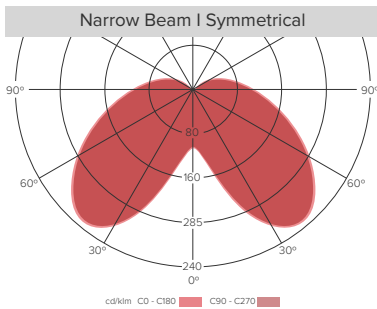
\* Other options available on request.

# VOLANS

**DIFFUSER**  
Opal PMMA



## OPTICAL DATA



## IoT CONNECTIVITY SOLUTIONS

## 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** embedded

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

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