

STREET
LIGHTING

URBAN
VM

VOLANS

Urban lighting for public parks, gardens, residential areas, pedestrian zones and bike paths.

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 City'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 an 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

ARQUILED

BRIGHT NEW FUTURE





VOLANS

up to
122 lm/W
luminous efficiency

up to
80%
energy efficiency

ELECTRONIC BLOCK

Independent module
High performance driver
Integrated thermal protection

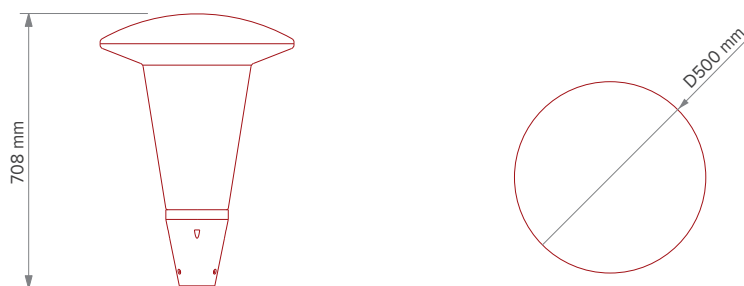


IP66

ta
40 °C

CLASS
II

DIMENSIONS



PRODUCT MODELS

Product Models	VOLANS 50 I 70
Power Consumption ⁽¹⁾	17 - 69 W (depending on configuration)
Luminous Flux ⁽¹⁾	2.069 - 7.426 lm
Luminous Efficiency	Up to 122 lm/W

SPECIFICATIONS

Housing	Base in polycarbonate and cap in stainless steel
Housing diffuser	Opal PMMA
Product color	RAL 7016*
Correlated Color Temperature (CCT)	3.000 K / 4.000 K*
Lumen maintenance at 100 000h	> 95% ⁽²⁾
Color Rendering Index (CRI)	≥ 70
Ingress protection (IEC – EN 60598)	IP66
Mechanical impacts protection (IEC – EN 62262)	IK06
Nominal voltage	230 V / 50 - 60 Hz*
Surge overvoltage protection (EN 61000-4-5)	4 kV / 10 kV
Electrical class	Class II
Mounting	Vertical
Inside mounting diameter	Ø 60 mm

⁽¹⁾ The initial flux and power consumption of the luminaire are indicative values and valid for @tj=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.

⁽²⁾ In accordance with IES LM-80 - TM-21

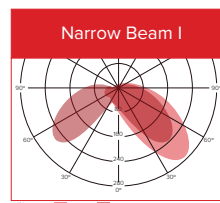
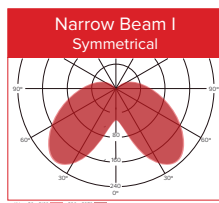
* Other options available on request.

VOLANS

DIFFUSER
Opal PMMA



PHOTOMETRIC 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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