STREET LIGHTING

R1 EFFICIENCY

ROAD

HM

Iluminates roads and streets, transforming the cities into more beautiful and engaging places in irresistible invitation to its discovery.

ARQUILED

BRIGHT NEW FUTURE

The ARQUICITY R1 EFFICIENCY is the most efficient, dynamic and flexible solution for street lighting.

With a strict focus on its performance, this product combines photometric excellence with a functional design. With a high luminous efficiency - up to 163 lm/W, this luminaire saves from the first moment. Whether it is a solution with a minimized investment - range BASE EFFICIENCY, where instant savings are checked on energy bills, or more efficient solutions - range ULTRA EFFICIENCY, with a fast payback.

COST EFFICIENCY

The ARQUICITY R1 EFFICIENCY is based on a Total Cost of Ownership (TCO) approach to measure the profits made over the equipment's lifetime, allowing an objective assessment and reasoned decision making.

The efficiency of LED technology associated with the right levels of light, results in a significant power consumption reduction and, therefore, reduced operating costs.

ENERGY EFFICIENCY

ARQUICITY R1 EFFICIENCY is available in three efficiency ranges and in several photometrics adaptable to different types of roads, minimizing light waste and reducing carbon emissions.

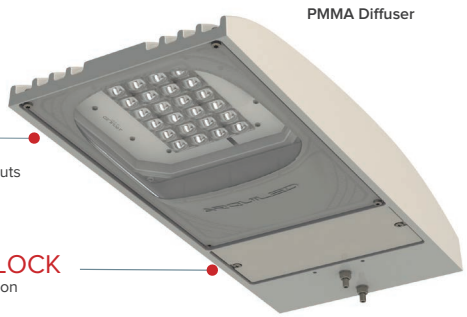
ARQUILED ENGINEERING

- Power Consumption: 7 - 127 W
- Luminous Flux: 1.073 - 15.502 lm
- Luminous Efficiency: up to 163 lm/W

APPLICATION

- Roads and highways
- Rural, urban, residential and pedestrian areas
- Parks and squares
- Parking lots and outdoor areas

ARQUICITY R1 EFFICIENCY



OPTICAL BLOCK
Ultimate LED generation
Wide range of luminous flux outputs

ELECTRONIC BLOCK
Integrated thermal protection
Various control options

up to
163 lm/W
luminous efficiency

up to
80%
energy savings

IP66 | IK08

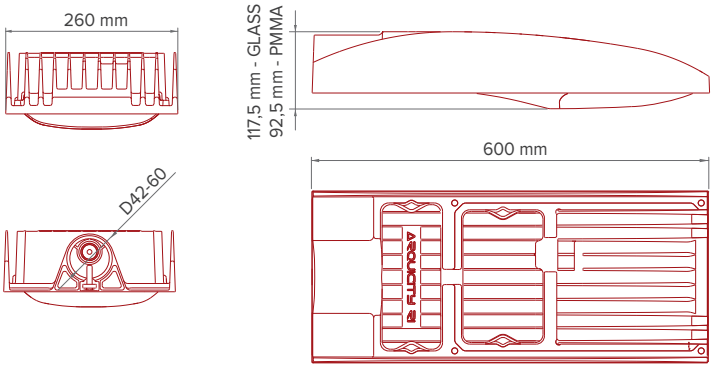
CLASS I | CLASS II

ta 40 °C

BENEFITS

- Decreased energy consumption
- Several photometrics adaptable to different types of roads
- Integration of control systems, for additional savings
- Minimization of light waste
- Revitalizes areas during night period
- Increased public safety and crime prevention

DIMENSIONS



PRODUCT MODELS

Product Models	R1 EFFICIENCY 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80
Power Consumption[1]	7 - 127 W (depending on configuration)
Luminous Flux[1]	1.073 - 15.502 lm
Luminous Efficiency	Up to 163 lm/W

SPECIFICATIONS

Housing	Die-cast aluminum
Diffuser	Standard: High impact PMMA Optional: Glass
Product finishing	Polyester painting
Product color	RAL 7035*
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)	IK08
Nominal voltage	230 V / 50 - 60 Hz*
Surge overvoltage protection (EN 61000-4-5)	4 kV / 10 kV
Electrical class	Class I / Class II
Mounting	Horizontal (standard) Vertical (optional)
Inside mounting diameter	Ø 42 - 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.

STREET LIGHTING | ROAD HM

ARQUICITY R1 EFFICIENCY

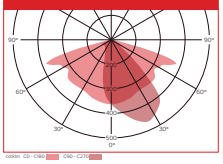
DESIGN

High ingress protection
High mechanical impacts protection

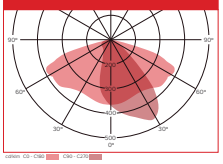
Glass Diffuser

PHOTOMETRIC DATA

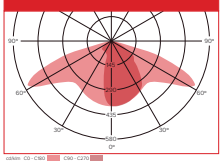
Narrow Beam I



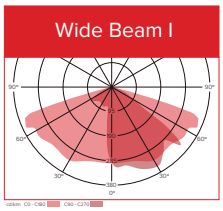
Extra Narrow Beam I



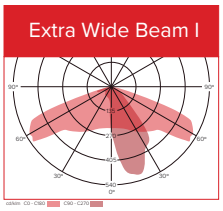
Medium Wide Beam I



Wide Beam I

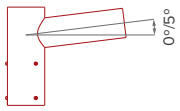


Extra Wide Beam I

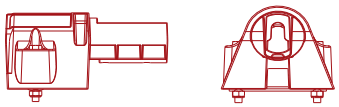


ACCESSORIES

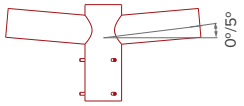
Vertical Mounting - Simple



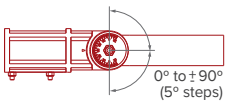
Angle Adapter



Vertical Mounting - Double



Universal Adapter



ECCOS

ECCOS single

Luminaire's integrated single control system that allows to define savings profiles according to predefined time intervals and luminous flux levels.

ECCOS street

Luminaire's integrated control system that commands the luminous flux through a micro-cut system.

ECCOS city

Integrated bidirectional management system for street lighting, in SaaS mode, based on a variety of communication technologies such as GSM/M2M and LoRaWAN®, among others, which allows the luminaires to be managed remotely via a web application.

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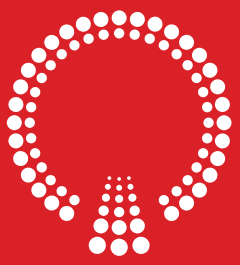
CE RoHS



ARQUICITY R1 EFFICIENCY

www.arquiled.com