STREET R1 EFFICIENCY

road HM

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

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 Im/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



BENEFITS	<section-header><complex-block></complex-block></section-header>		up to 163 Im/W Iuminous efficiency up to 80% energy savings	
DIMENSIONS	 Decreased energy consumption Several photometrics adaptable to different typ Integration of control systems, for additional sa Minimization of light waste Revitalizes areas during night period Increased public safety and crime prevention 	Des of roads vings CLAS I	5 IK08 SS CLASS	
PRODUCT MODELS	260 mm		ta 40 °C	
	Product Models	R1 EFFICIENCY 10 20 30 40 50	60 70 80	
	Power Consumption ⁽¹⁾	7 - 127 W (depending on configurati	on)	
	Luminous Flux ⁽¹⁾	1.073 - 15.502 lm		
SPECIFICATIONS	Luminous Efficiency	Up to 163 lm/W		
1777 - The Part of	Housing	Die-cast aluminum		
	Diffuser	Standard: High impact PMMA Optional: Glass		
I manual the manual mining of 1	Product finishing	Polyester painting		
	Product color	RAL 7035*		
	Correlated Color Temperature (CCT)	3.000 K / 4.000 K*		
and the second s	Lumen maintenance at 100 000h	> 95% ⁽²⁾		
	Color Rendering Index (CRI)	≥ 70		
and the second	Ingress protection (IEC – EN 60598)	IP66		
	Mechanical impacts protection (IEC – EN 62262)	52) IK08		
The second states and the second second	Nominal voltage 230 V / 50 - 60 Hz*			
	Surge overvoltage protection (EN 61000-4-5) 4 kV / 10 kV			
	Electrical class I / Class I / Class II			
	Mounting Horizontal (standard)			
The second s	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 $@tj=25^{\circ}C$. The real flux output of the luminaire			

 depends on specific condumptions, such as technology.
 (2) In accordance with IES LM-80 - TM-21
 * Other options available on request. ic conditions, such as temperature and may vary with specific configurations. The values are subject to tolerances in

ROAD

ЧM

STREET LIGHTING

ARQUICITY R1 EFFICIENCY

DESIGN High ingress protection High mechanical impacts protection















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 systemPlatform 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 embedded

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

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