

HAMLET

STREET LIGHTING CLASSIC VMISU

Classic luminaire **Hamlet** from **Arquiled** combines the efficiency of LED technology and a timeless design with a contemporary touch, blending harmoniously into its surrounding.

Ideal for the preservation of heritage, assuming a commitment to the future, **Hamlet** presents itself as the rational and balanced response.

EFFICIENCY AND DESIGN

- Seamless integration on historical surroundings
- Various options: with and without diffuser
- Multiple types of mounting: post-top, fixed suspended or mobile suspended
- Luminous efficiency: up to 97 lm/W
- Low energy consumption
- Dimming control options 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

- Streets and historic centers
- Squares, parks and gardens
- Residential and pedestrian areas



MULTIPLE OPTIONS

DIFFUSER

- Textured, clear or opal polycarbonate diffuser, available in all models
- High impact polycarbonate diffuser with UV protection
- PMMA optical block diffuser

HOUSING

- Zinc-plated steel and aluminum with thermo lacquer coating and anodization

MOUNTING

- Post-top version (fixed)
- Fixed suspended fixture
- Mobile suspended fixture

SMART READY

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

ZHAGA D4i CERTIFICATION

- **Hamlet** - 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



Fixed suspended fixture
Textured diffuser



Mobile suspended fixture
Textured diffuser



Post-top version (fixed)
Without diffuser



Post-top version (fixed)
Clear diffuser



PRODUCT MODELS

	HAMLET 20 30 40 60
Power consumption ¹	9 - 63 W (depending on configuration)
Luminous flux ¹	811 - 5,799 lm
Luminous efficiency	Up to 97 lm/W



Version with NEMA connector
Also available for Zhaga



SPECIFICATIONS

Housing	Zinc-plated steel and aluminum Thermo lacquering and anodizing
Housing diffuser	Textured, clear or opal polycarbonate Without diffuser
Optical module	PMMA
Product color ²	RAL 6009 (green) RAL 9005 (black)
Correlated Color Temperature (CCT) ²	2200K, 2700K, 3000K, 3500K, 4000K
Lumen maintenance at 100,000h	> 95% ³
Chromatic Restitution Index (CRI)	≥ 70 ²
Ingress protection (IEC – EN 60598)	LED engine and driver: IP66 Connectors: IP54
Mechanical impacts protection (IEC – EN 62262)	IK08
Nominal voltage	230V / 50Hz
Surge overvoltage protection (EN 61000-4-5)	4kV / 10kV
Electrical class	Class I and Class II
Driver ⁴	ON-OFF / 0-10 V / DALI-2 / D4i
Connectivity (optional)	5-pin and 7-pin NEMA connector (ANSI C136.41) Zhaga connector
Smart Cities' solutions (optional)	Integrated Management System: ECCOS City Lighting control and dimming systems: ECCOS Single Advanced, and ECCOS Controller Pedestrian traffic monitoring and counting system: MYRIAD Counter
Mounting ⁵	Post-top version: fixed on male female 3/4" gas Fixed suspended version: on male female 3/4" gas

¹ 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.

² Other options available on request.

³ In accordance with IES LM-80- TM21.

⁴ Specifications vary according to model and configuration.

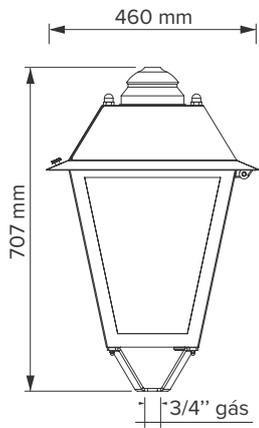
⁵ Requires fixing accessory.

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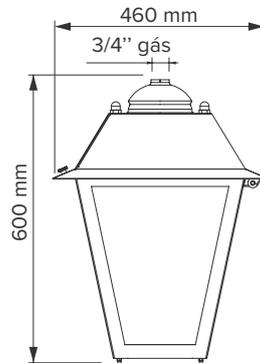


DIMENSIONS

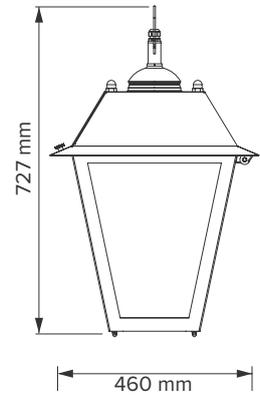
POST-TOP



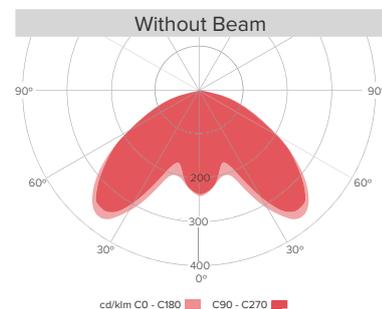
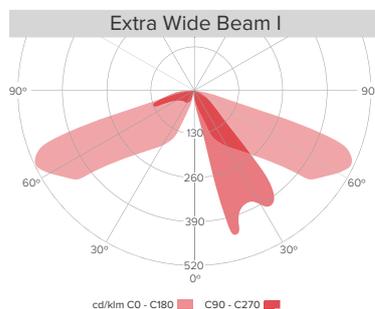
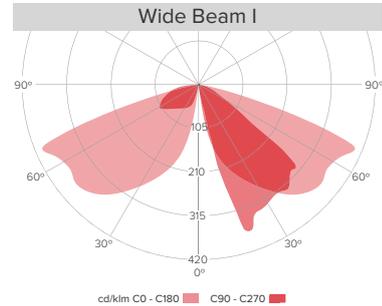
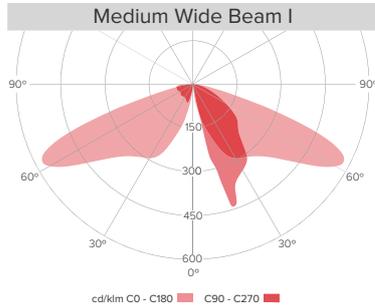
FIXED SUSPENDED



MOBILE SUSPENDED



OPTICAL DATA²



² 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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