

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: embedded or external via NEMA and Zhaga
- Pre-wired for easy installation
- Robust and long-life span
- Extensive compatibility with various connectivity solutions for Smart Cities

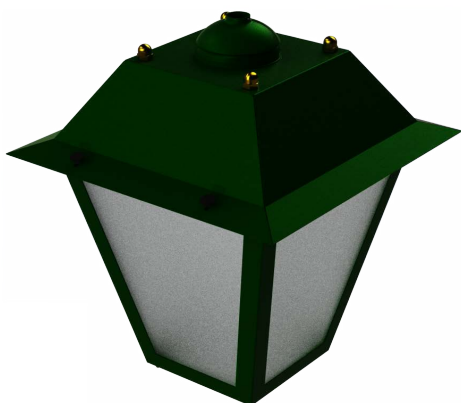
APPLICATION AREAS

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





MULTIPLE OPTIONS



Fixed suspended fixture
Textured diffuser



Mobile suspended fixture
Textured diffuser



Post-top version (fixed)
Without diffuser



Post-top version (fixed)
Clear diffuser

DIFFUSER

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

MOUNTING

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

SMART READY

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



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	Até 97 lm/W



Version with NEMA connector
Also available for Zhaga



SPECIFICATIONS

Housing	Zinc-plated steel and aluminum Thermo lacquering and anodizing
Difusor externo	Textured, clear or opal polycarbonate Without diffuser
Optical module	PMMA
Product color²	RAL 6009 (green) RAL 9005 (black)
Correlated Color Temperature (CCT)	3000 K / 4000 K ²
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	230 V / 50 Hz
Surge overvoltage protection (EN 61000-4-5)	4 kV / 10 kV
Electrical class	Class I / Class II
Driver⁴	ON-OFF / 0-10 V / DALI-2 / D4i
Connectivity (optional)	Board embedded 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, ECCOS Street, ECCOS Embedded, and ECCOS Controller Pedestrian traffic monitoring and counting system: MYRIAD Counter
Mounting⁵	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.

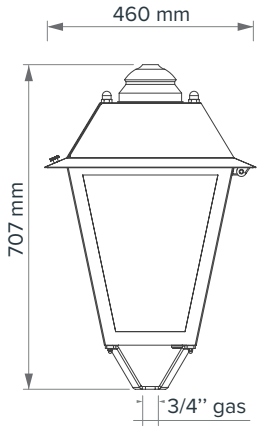
⁴ Specifications vary according to model and configuration.

⁵ Requires fixing accessory.

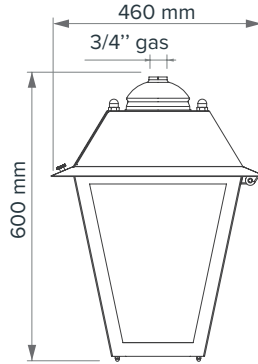


DIMENSIONS

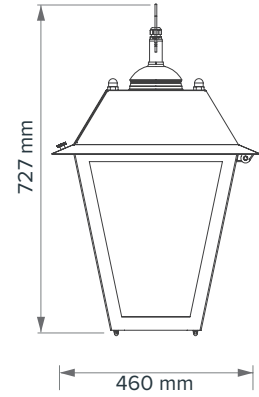
POST-TOP



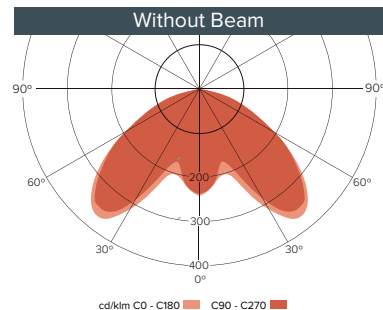
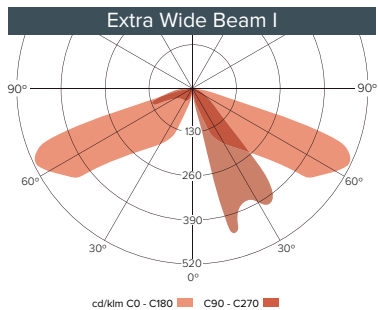
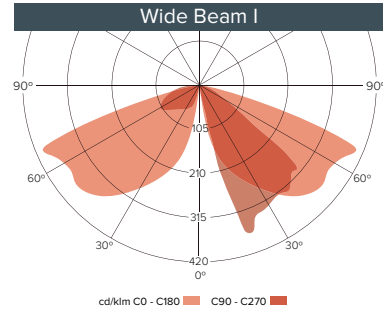
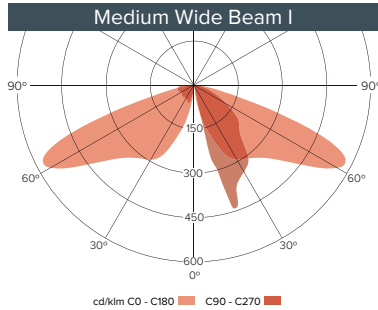
FIXED SUSPENDED



MOBILE SUSPENDED



OPTICAL DATA²



² Other options available on request.



SMART CITIES | IoT CONNECTIVITY SOLUTIONS

LIGHTING CONTROL AND DIMMING

ECCOS systems are a set of lighting control and light variable intensity (dimming) that offer an adaptable and scalable wide range for each street lighting project needs. From the simplest solution for controlling and scale a luminaire flux intensity, to the most sophisticated remote management systems for street lighting.

Each system is designed accordingly with each municipalities' needs and can go through solutions integrated in the luminaires to external devices (Plug n'Play type), easily coupled to the luminaires.

INTERNAL STREET LIGHT CONTROLLERS

E C C O S embedded

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

E C C O S street

Internal dimming device, per group of luminaires, for up to 16 dimming profiles, with a maximum of 10 circuits, that operates the command and control the light intensity of electric micro cuts.

E C C O S single

Individual and autonomous control system integrated in the luminaire to set up to 16 factory-defined or customer-defined operating modes in pre-set time slots, without the need for any additional control.

EXTERNAL STREET LIGHT CONTROLLERS

E C C O S controller

External monitoring module (in NEMA 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.

MANAGEMENT SYSTEMS

E C C O S city

Management system, bidirectional and geolocated for street lighting, in a SaaS mode, integrated in the luminaire.

Based on various communication technologies such as GSM / M2M, LoRaWAN® and NB-IoT, among others, it allows to remotely manage the luminaires via web application, with automation tasks and alerts.

The management platform allows the integration with other IoT systems.