



Product Features

This traditional Gas Lantern is hand crafted in Copper and retains the Victorian Heritage styling of the original, while offering two standards of ingress protection depending on the application that will meet current luminaire design standards. The Windsor lanterns with their superior optical control meet present day lighting standards across a wide range of applications and lamp combinations.

Features

The medium and large Windsor, have a one piece glazing available in polycarbonate, as standard, with optional acrylic. This improves the Ingress protection rating of the fitting to IP65, this being dust and watertight, reducing maintenance and cleaning cycles.

The lanterns are mounted as standard, on galvanised frogs and powder coated. The Sugg lantern differs from its competitors as the side ribs are reinforced with stainless steel rods thus spreading the weight and wind loading across the structure of the luminaire offering enhanced durability in service.

Control Gear

The gear is mounted in the tent canopy either side of the optic and in this way we can accommodate the full range of discharge lamps and gear and also now include compact fluorescent lamps with gear. The table below gives details relative to the individual lantern.



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OPTIONS

Mounting Options

Frog mounted, galvanised steel, powder coated black polyester, for 76mm and 89mm shafts. Cast aluminium adaptor, powder coated black polyester for 76mm shafts. Both of these options are suitable for column and bracket mounting. Cradle fitted luminaires are also available for wall, column and corner mounting.

Variations

Photocells

Single and two part electronic photocells are available as standard.

Finish variations

Natural polished copper; that will age in the environment to a deep natural patina. Polished and lacquered copper, other RAL colours can be accommodated, but this is subject to quantity.

Lantern construction

Options of hinged lid with the IP65 version and/or an access door with the IP54 version.

Materials

Lantern

Copper frame and spinning sets, double hinges for the lid and two locking mechanisms ensure easy access for re-lamping, gear and photo cell maintenance.

Glazing

Polycarbonate as standard, optional acrylic and structured acrylic.

Frog

Galvanised steel, powder coated.

TYPICAL SPECIFICATION

Windsor **IP65 Medium** Lantern: Hand crafted copper frame with stainless steel reinforcing rods secured in frame corners for improved frog fixings. **Glazing, polycarbonate one piece** which is secured in lantern frame. The Windsor medium lantern measures **457mm wide, 1124mm in height** (including the frog). The frog is zinc sprayed steel, then powder coated, and will accept a **76mm** column shaft. This will be secured to the spigot with a set of three equidistant Allen screws thus ensuring a secure fixing. The lantern is fitted with the **small twin beam** optic with integral gear, for a **100w HQI lamp**. The lampholder is positioned for a tubular lamp in a horizontal position: Lamp not supplied.

A **one-piece electronic photocell** is fitted in the tent canopy and is factory sealed to ensure the IP65 rating is not compromised. Manufactured with stainless steel or aluminium screws and fixings. The lantern is painted in **Black**, polyester wet paint, then stoved to ensure a durable high gloss finish is achieved.

Please note that items highlighted in bold should be changed using the options available

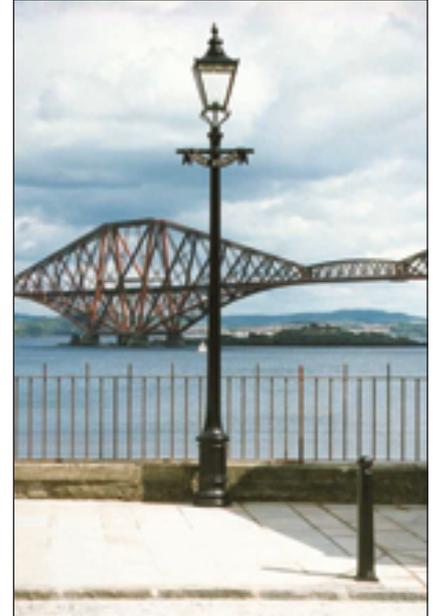
APPLICATIONS

The picture shows the Windsor medium lantern on a 4m replica cast aluminium column which is situated at Queensferry, near the Forth Bridge. This Victorian style lantern and column combination is in keeping with the backdrop. The optic in this application, lights a public amenity area while ensuring that any navigation of the Forth is not confused by obtrusive light being visible from the water.

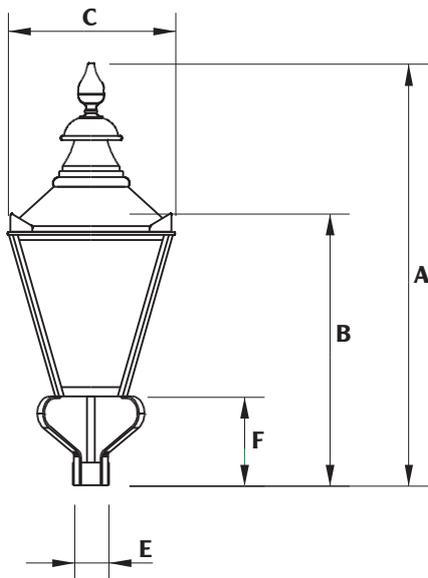
This lantern is used extensively within conservation areas, parks, and amenity areas. The range of sizes available enables mounting heights to be accommodated from 2m pedestals up to 5m columns. Using horizontal lamps within the two optical choices available, we can offer excellent illuminance and luminance performance without light pollution.

The refractor option offers a vertical lamp position for open park areas where a fear of personal crime is an issue. It is also used in city and town centres as the vertical element of the distribution will wash adjacent buildings and people. This option also prevents a visual tunnel of light in an otherwise dark environment.

The combination of this aesthetic heritage product, and current day sealing and lighting technology offers the client a superior visual appearance without compromising the need to maintain lighting standards.



OPTIONS



OPTICS	SMALL	MEDIUM	LARGE
Facet Twin Beam	✗	✗	✓
Hellux Sm Twin Beam	✗	✓	✓
Refractor	✓	✓	✓
E27 Lamp Holder only	✓	✓	✓
E40 Lamp Holder only	✗	✓	✓

WATTAGES & LAMP TYPES	35W	42W	50W	70W	80W	100W	125W	150W
HPS			✓✓✓	✓✓✓		✓✓✓		✓✓
HQI	✓✓✓		✓✓✓	✓✓✓		✓✓✓		✓✓
CDM	✓✓✓			✓✓✓				✓✓✓
MBF			✓✓✓		✓✓✓		✓✓✓	
CFL		✓✓✓						
KEY	✓ Small		✓ Medium			✓ Large		

DIMENSIONS	SMALL	MEDIUM	LARGE	BOXED
A Lantern Height	905mm	1124mm	1124mm	940mm
B Lamp Height	620mm	700mm	700mm	
C Diameter/Width	356mm	420mm	470mm	610mm
E Standard Entry	76mm	76mm	76mm	610mm
F Frog Height	240mm	240mm	240mm	
Windage area	0.15m ²	0.20m ²	0.23m ²	0.35m ³
Weight	7kg	10kg	15kg	16.5kg

GLAZING OPTIONS	SMALL	MEDIUM	LARGE
Acrylic	✓	✓	✓
Polycarbonate	✓	✓	✓
Opal Acrylic	✓	✓	✓
Glass Panels	✓	✓	✓
Flat Glass Only	✗	✗	✗
One piece glazing	✗	✓	✓