



Product Features

This traditional Windsor gas lantern is hand crafted in Copper and retains the Victorian Heritage styling of the original, while offering an IP54 standard of ingress protection. The lantern has an access door for easy cleaning and maintenance, along with a balanced flue design and gas options coupled with their automatic controls means they meet present day operation and maintenance requirements across a wide range of applications and burner combinations.

Features

The small, medium and large Windsor, have individual glass panel glazing with a hinged glass glazed door as standard, with optional Polycarbonate. This provides easy access for burner maintenance and internal cleaning. The specular reflector and internal chimney ensures a balanced flu, reducing the effects of strong winds on the burners performance.

The lanterns are mounted as standard, on galvanised and powder coated open frogs. 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.

Controls

The permanent pilot and solenoid are mounted in the main body of the lantern. If mains power is not present the optional battery powered Sugg Opto/Clock offers timed control from a remote box fitted in the column base. Also available, a photocell operation from a remote location. Both control options are available within the Windsor range for both burner types which accommodate both natural and LPG gasses.

Options

Mounting Options

Frog mounted, open frog to enable gas connections, galvanised steel, powder coated black polyester, for 76mm and 89mm shafts. This arrangement is suitable for column and bracket mounting. Cradle fitted luminaires are also available for wall, column and corner mounting.

Variations

Photo Cell

A remote photocell may be used with mains solenoid models.

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.

Luminaire construction

Options IP54 version manufactured from copper. All soldered construction with strengthened side ribs and hinged door.

Materials

Lantern

Copper frame and spinning sets, double hinges for the door and a single locking mechanism ensure easy access for burner maintenance.

Glazing

Glass as standard, optional polycarbonate glazing is available for use with three light clusters and up to twin fishtails.

Frog

Open frog galvanised steel, powder coated.



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Typical Specification

Windsor IP54 **Medium** Lantern: Hand crafted copper frame with stainless steel reinforcing rods secured in frame corners for improved strength and frog fixings. Glazing: fully **glass** glazed lantern frame and hinged door. The Windsor **medium** lantern measures **420mm** diameter, **1124mm** in height (including the frog). The open frog is galvanized steel, which is 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 Sugg balanced flue and reflector, with a **superheated 4 mantle burner jetted for liquid petroleum gas** with integral solenoid and pilot. Manufactured with stainless steel or brass screws and fixings. The **Opto/Clock control unit** is fitted remote to the lantern in the column base. The lantern is painted **Black RAL 9005**, acrylic wet paint, which is then stoved to ensure a durable gloss finish is achieved.

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

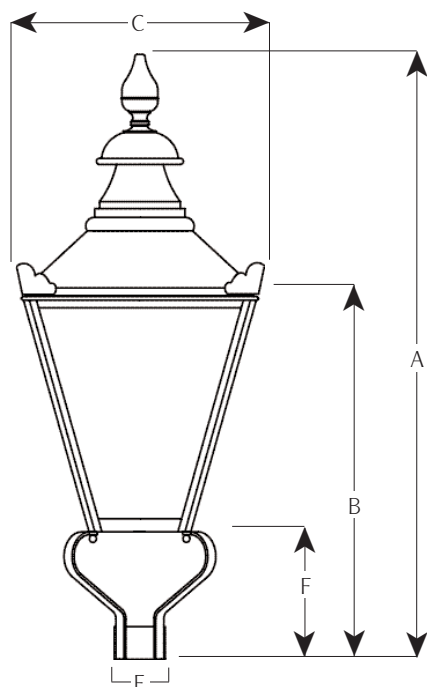
Applications

The Windsor Gas lantern in this photograph shows a traditional lighting application within the boundaries of the City of London. This walkway is lit by a row of four light superheated mantle burners fitted within the standard medium Windsor Lantern. The burner arrangement is controlled by a battery operated Opto/Clock which provides automatic switching via a low voltage photocell; this gives a low maintenance, reliable solution for an area that has no electrical supply.

The lantern is frog mounted onto a traditional cast aluminium Abbey wall mounted bracket which has provision for the gas connections within the back box which is supplied as part of the bracket. The four light burners provide adequate light for the area; the white light has been shown to encourage pedestrian movement after dark as it improves visual recognition, which in turn reduces the fear of crime.



Options



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	0.35 ³
Weight	7kg	10kg	15kg	16.5kg

GLAZING OPTIONS	SMALL	MEDIUM	LARGE
Glass	✓	✓	✓
Polycarbonate	✗	✓	✓

Fishtail Burners

The fishtail burner is a flat flame that is produced from a ceramic jet that ensures the flame is stable and provides the visual fishtail shape. This is sometimes referred to as a batwing burner and is preferred when the flame shape and appearance is of more importance than the light output.

Superheated Burner

The inverted gas Mantles are suspended from a variety of cast superheaters offering different options depending upon the number of mantles selected.

Burner Options	SUPERHEATED CLUSTERS				
	Single	Double	Treble	Quad	Six
Small	✓	✓	✓	✗	✗
Medium	✓	✓	✓	✓	✗
Large	✓	✓	✓	✓	✓

FISHTAIL BURNER		
Single	Double	Treble
✓	✗	✗
✓	✓	✗
✓	✓	✓