



Product Features

This traditional circular lantern is hand crafted in Copper and retains the Victorian Heritage styling of the original, it offers an IP65 version in the Medium while the Small and Large have an IP54 standard of ingress protection. The Grosvenor lanterns, with their superior optical control, meet present day lighting standards across a wide range of applications and lamp combinations. The circular styling of the lantern provides a stylish profile which has a decorative cast aluminium coronet as standard.

Features

The Medium is available with a one piece glazing for the IP65 version and the Small and Large Grosvenor have individual glazing panels in polycarbonate, as standard, with the option of acrylic. These are secured to the lantern ribs with foam gaskets and glazing tags to give an ingress protection rating for the fitting of IP54. The hinged door provides easy access for maintenance and cleaning cycles.

The lanterns are frog mounted, as standard, these being galvanised 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 which offers enhanced durability in service.

Control Gear

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

Options

Frog mounted, galvanised steel, powder coated black polyester, for 76mm and 89mm shafts. Cast aluminium spigot, 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; part night cells are also available.

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:

The Medium is available without a door for the IP65 version but if a door is required the individual glazing panels used will reduce the IP rating to IP54.

Materials

Lantern:

Copper frame and spinning sets, copper hinges for the access door and a sliding locking mechanisms ensure easy access for re-lamping; gear and photo cell maintenance can be accessed by removing the lantern top. The Grosvenor lantern has a cast aluminium decorative coronet.

Glazing:

Polycarbonate as standard; acrylic, etched and clear glass available upon request.



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This ensures that product developments and continued improvements are maintained.

Typical Specification

Grosvenor **IP65 Medium** Lantern: hand crafted copper frame with stainless steel reinforcing rods secured in frame corners for improved frog fixings. Fitted with an aluminium laser cut frieze which is mechanically fixed to the lantern top. **Glazing, polycarbonate one piece bowl** which is secured in the lantern frame by a central frog tube. The Grosvenor Medium lantern measures **435mm diameter, 1080mm in height** (including the frog). The frog is Galvanised steel, then powder coated, and will accept a **76mm** column shaft. This will be secured to the spigot with three equidistant sets of Allen screws thus ensuring a secure fixing. The lantern is fitted with the **small road lighting** optic with integral gear, for a **90w Cosmopolis lamp**. The **Cosmopolis** lampholder is positioned for a tubular lamp in a horizontal position: Lamp not supplied.

A **part night electronic photocell** is fitted in the tent canopy and is factory sealed to ensure the IP65 rating is not compromised. Manufactured with stainless steel fixtures and fittings. The lantern is painted **Black RAL9005**, polyester wet paint, which is then stoved to ensure a durable high gloss finish is achieved.

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

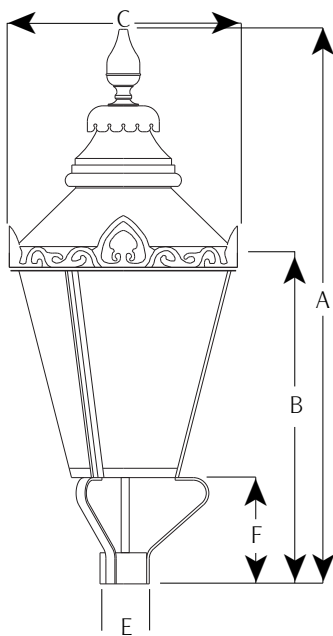
Applications

The Grosvenor traditional lantern pictured here has been updated and is the IP65 version with a single one piece glazing, a horizontal lamp and the Sugg small twin beam optic to provide an asymmetric distribution for roads and footpaths. The lantern has a laser cut aluminium frieze – the lantern top is removed by unscrewing the finial which decompresses the gasket and allows the canopy to be removed for access to the gear and lamp.

The cast iron column shown, completes a stylish combination for this traditional residential area of London, where both lighting performance and lamp, column and appearance, is of great importance.



Options



It is important to note the Cosmopolis lamp options are fitted with electronic gear due to space in the lantern canopy.

DIMENSIONS	SMALL	MEDIUM	LARGE	BOXED
A Lantern Height	790mm	1080mm	1325mm	940mm
B Lamp Height	410mm	660mm	790mm	
C Diameter/Width	330mm	435mm	533mm	610mm
E Frog Spigot Entry	51mm	76mm	76mm	610mm
F Frong Height	140mm	205mm	205mm	
Windage Area	0.17m ²	0.21m ²	0.32m ²	0.35m ³
Weight	5kg	11kg	14kg	16kg

WATTAGES & LAMP TYPES	57W	60W	70W	80W	85W	90W	100W	125W	140W	150W	250W
HPS			✓✓✓				✓✓			✓✓	
HQI/CDMTT			✓✓✓				✓✓✓			✓✓	
Cosmopolis		✓✓✓				✓✓			✓✓		
PLT	✓✓✓				✓✓✓						
MBF				✓✓✓				✓✓			

OPTICS	
Large Road Lighting Optic	✓
Small Road Lighting Optic	✓✓
Cycle Optic	✓✓
Refractor	✓✓✓
E27 Lamp Holder only	✓✓✓
E40 Lamp Holder only	✓✓

GLAZING	
Acrylic	✓✓✓
Polycarbonate	✓✓✓
Opal Acrylic	✓✓✓
Glass Panels	✓✓✓

KEY: ✓ Small ✓ Medium ✓ Large