



## Product Features

This new conical lantern offers a semi-traditional style with the benefits of a simplified finial and mounting assembly, which ensures this lantern is also suitable for modern installations. With its cast column mounting and compact design the Telford is ideal for residential areas. With the option of twin beam optics and vertical refractor it is able to cover a range of lighting tasks to meet current lighting design standards.

### Features

The one piece glazing and IP65 ingress rating ensures this fitting continues to perform to current lighting standards. Manufactured from aluminium spinnings and a copper frame, with stainless steel reinforcing rods in the glazing ribs, to offer increased protection for the glazing and luminaire strength. Access for relamping and gear maintenance is achieved by unscrewing the top finial to release the lantern canopy. When refitted the compression provided by the finial ensures a waterproof seal against a formed gasket, with the inner support tray transferring any loading to the cast mounting spigot, making this fitting extremely robust.

### 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. Also now available is a compact fluorescent lamp with gear. The table over gives details relative to the individual lantern.

## Options

Cast aluminium spigot, powder coated black RAL 9005 polyester, for 76mm shafts. This option is suitable for column and bracket mounting.

### Variations

#### Photocells:

Single and two part electronic photocells are available as standard.

#### Finish variations:

Supplied Black RAL9005 as standard. Other colours are available but may be subject to quantity and prices may differ.

#### Lantern construction:

The medium lantern is tested to IP65 for municipal applications with aluminium spinnings and a copper frame with a steel reinforced mounting frame inside the glazing.

## Materials

#### Lantern:

Copper frame and aluminium spinning sets for re-lamping. Gear and photo cell maintenance can be accessed by removing the lantern top.

#### Glazing:

One piece polycarbonate as standard, for the IP65 version, secured into the lantern body with an internal steel frame that houses the gear and optic. This frame improves the overall strength of the lantern body.

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## Typical Specification

Telford **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 the lantern frame with the internal support frame. The Telford medium lantern measures **435mm** in diameter and **1012mm** in height (including the spigot). The spigot is cast aluminium which is then powder coated, and will accept a **76mm** column shaft. This will be secured to the shaft with socket head screws thus ensuring a secured fixing. The lantern is fitted with an internal frame carrying the **small twin beam** optic with integral gear for a **70s HPS T** lamp. The **E27** lampholder is positioned for a tubular lamp in a horizontal position: Lamp not supplied.

A one-piece electronic photocell is fitted in the top spinning and is factory sealed to ensure the IP65 rating is not compromised. Manufactured with stainless steel fixtures and fittings. The lantern is painted in **Black RAL 9005** polyester wet paint and 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.

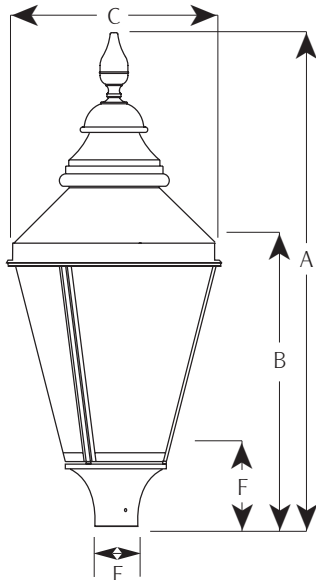
## Applications

The scheme at Amble Harbour, pictured here, shows the Telford fitted to a 4.5m column on a harbour walkway. This extreme location was an ideal test for the strength and durability of the lantern as the walkways project out into the North Sea and they are frequently exposed to high seas and violent storms. The lanterns have been opal glazed to improve the visibility from both the land and sea, as the sheltered area that the small fishing fleet anchors in is behind their position.

A Compact fluorescent lamp was used to give a good colour for the decking and water reflections when viewed from the land and from the water. The railings have been designed to match the column detail for a co-ordinated visual scheme.



## Options



OPTICS	MEDIUM
Facet Twin Beam	X
Hellux Sm Twin Beam	✓
Cycle Optic <small>E27 L/holder only</small>	✓
Refractor	✓
E27 Lamp Holder only	✓
E40 Lamp Holder only	✓

GLAZING OPTIONS	MEDIUM
Acrylic	✓
Polycarbonate	✓
Opal Acrylic	✓
Glass Panels	X
Flat Glass Only	X

DIMENSIONS	MEDIUM	BOXED
A Lantern Height	1012mm	940mm
B Lamp Height	660mm	
C Diameter/Width	435mm	610mm
E Standard Entry	76mm	640mm
F Spigot Height	136mm	
Windage Area	0.21m <sup>2</sup>	0.35m <sup>3</sup>
Weight	10.5kg	16.5kg

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