

# Penthouse And Map Reading Lamp

## Description

This Luminaire is a bulkhead fluorescent fitting, incorporating integral, transistorised control circuitry. It gives soft, clear all round illumination.

The light incidence, in a plane area of 1.5m<sup>2</sup> at a distance 1.0 m from the lamp, is 370 lumens.

The map reading lamp is to the same specification but has a different top casting and an additional adjustable shade to deflect the light from the user.

## Construction

The lamp fitting is made up of two aluminium castings joined together with hexagonal headed captive screws. The base casting houses the fluorescent lamp and control circuitry. The top casting houses an acrylic window and has a watertight seal attached.

A MS 3102E connector is fitted at each end of the base casting so that if desired the supply can be fed from lamp to lamp in cascade.

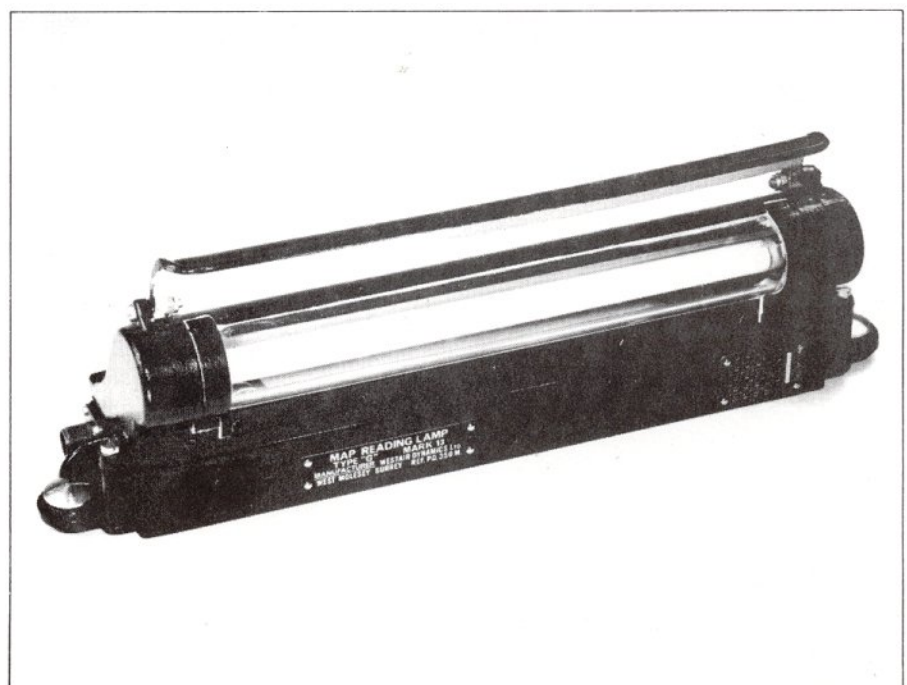
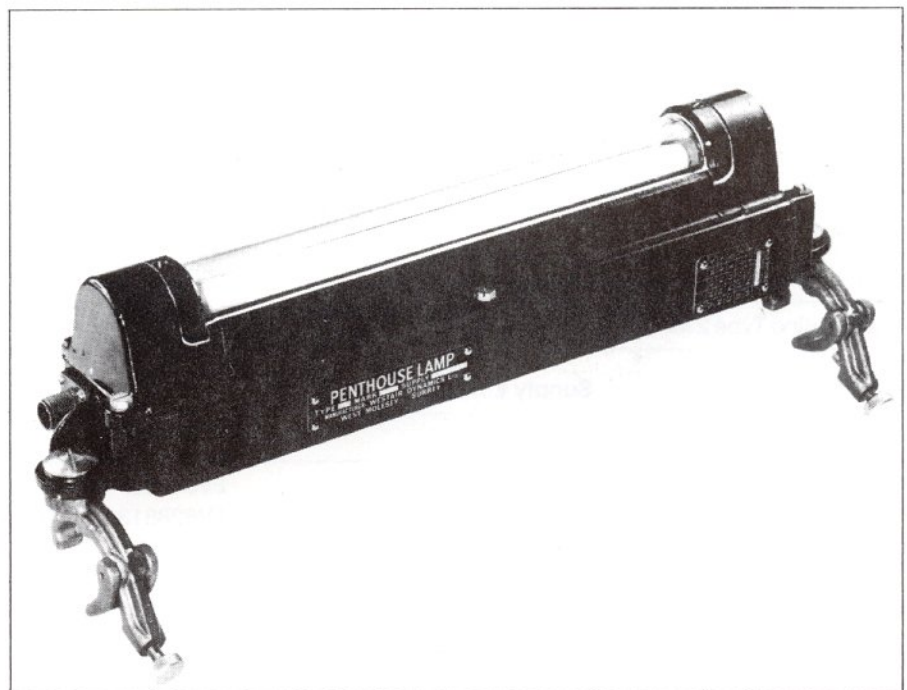
An on/off switch is recessed into the base casting for local control. The switch, sockets and all mating faces are sealed.

Mounting clamps and/or screws are mounted externally for ease of fitting.

The castings are rounded and have no projecting lugs thus ensuring maximum safety. All metallic parts of the fitting are treated to prevent corrosion and mycological attack and are painted dark bronze green, but may be in any colour to meet customers' requirements.

## Installation

When fitting to a flat surface, two 25 mm (1") square, 10mm (3/8") thick steel pads are required, tapped centrally 5/16" UNF or UNC (either fixing screws are available) spaced 394 mm (15 1/2") between centres. Fitting screws are provided.



When fitting in tentage a tubular frame is required made of 32 mm to 38 mm tubing. The mounting clamps fit directly onto the tubular frames.

Standard harnesses of flexible screen cable with suitable connectors at both ends are an essential part of the equipment. These are readily available on request.

**Testing**

Testing in accordance with FV2051. Approved by RARDE.

**Relamping and Servicing**

Relamping can be carried out by unskilled personnel by removing the top casting with a 2BA spanner and replacing lamp and top casting.

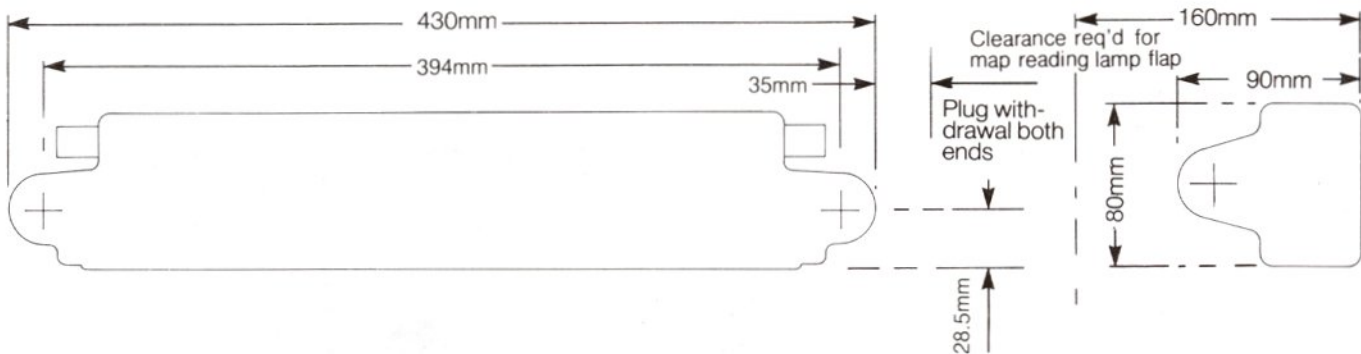
Technical Details	Penthouse	Map Reading
<b>Length</b>	430 mm	430 mm
<b>Width</b>	80 mm	106 mm
<b>Height</b>	90 mm	118 mm
<b>Weight</b>	2.72 kgs	
<b>Tube Type</b>	304.8 mm (12") 8 Watt	
<b>Operating Temperature</b>	-10°C to 35°C	
<b>Storage Temperature</b>	-40°C to 60°C	
<b>Supply Voltage</b>	(see table)	
<b>Consumption</b>	15-19 watts	

**Variations Available**

Type	Voltage	FV Number	NATO Stock No.
Map Reading Type 2 Mk.2	24V DC	FV562011	6210-99-201-4896

Type	Supply Voltage	Wattage	FV Number	NATO Stock No.
No.1 Mk.1	240V 50Hz	8	FV 562064	6210-99-199-9852
No.3 Mk.1	24V DC	8	FV562009	6230-99-800-0151
	110V 400Hz	8	FV628813	
No.4 Mk.1	25V AC 50Hz	8	FV760726	6210-99-208-6119
No.5 Mk.1	12V DC	8	FV679604	6230-99-809-6148
Twin 8	240V 50Hz x 240V 50Hz	8x8	FV603993	



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**WESTAIR**