

General Purpose/ Inspection Lights

**Description**

This luminaire is a lightweight, general purpose, self-contained, portable fluorescent light, incorporating an integral electronic control unit, for operation from a 24/28 volt DC supply.

It may be used on its own as an individual wandering inspection light, mounted on clips or slings in a fixed position as an area working light, and by the use of interconnecting harnesses, a string of lights may be connected in festoon for general illumination of penthouses, tents or inflatable shelters.

Construction

The unit comprises an eight watt (300mm) fluorescent tube mounted with its electronic ballast on a semicircular section polished aluminium lightshield/reflector, all

housed within a heavy duty protective polycarbonate enclosure, 38mm dia. x 470mm long.

The ends of the lightshield are attached to aluminium plugs which carry the connectors and which are fitted with sealing rings to prevent the ingress of dust and moisture. A knurled ring-nut on the plug remote from the handle secures the interior within the acrylic enclosure. removal of this nut allows the interior

to be withdrawn for access to the components.

Several types of connector can be fitted to suit the application and the requirements of the user (see technical details overleaf). Suppression components are incorporated on the electronic panel to reduce emissions to within the limits of MVEE specification 595 Para. 4.2.

Installation

For use as an inspection light, connect through a lead of the required length and an appropriate connector to a 24/28 volt DC supply. Ensure that the polarity of the supply is correct: although protection against reverse polarity is provided, the lamp will not function in these circumstances.

As a fixed light source, support may be provided by clips, slings, straps, tape, etc. as convenient, around the ends of the enclosure.

Relamping

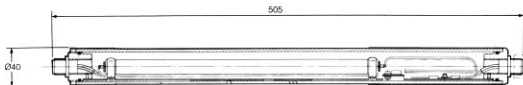
After disconnecting from the supply, remove the knurled ring-nut and withdraw the interior. Gentle pressure through appropriate protection may be required on the projecting end to overcome initial friction or sticking of the seals.

Technical Details

Length	505mm
Diameter	40mm
Weight	0.23kg 0.52
Tube type	300mm 8w
Operating Temperature	-10°C to 35°C
Storage Temperature	-40°C to 60°C
Supply Voltage	See Table
Power Consumption	15 to 19 watts

Variants Available

Supply voltage	Suppression	Connector Arrangement		Drawing No.
		Handle end	Other end	
Clear				
24/28VDC	MVEE 595	M.S. Plug	M.S. Plug	FV988676
24/28VDC	NIL	B.L. Plug	B.L. Socket	FV988700
24/28VDC	MVEE 595	M.S. Plug	M.S. Socket	FV2068341
24/28VDC	MVEE 595	ABB00T Plug	ABB00T Plug Socket	FV2107061
Blue				
24/28VDC	MVEE 595	ABB00T Plug	ABB00T Socket	FV2107052



All dimensions in millimetres