

Chapter 70

PANEL LAMP, TYPE A4185

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LEADING PARTICULARS

Panel lamp, Type A4185	Ref. No. 5CX/5538
<i>Lamp, filament, 28V 0.04A</i>	<i>Ref. No. 5L/9959118</i>
<i>Operating voltage</i> 28V d.c.
<i>Overall dimensions</i>	
<i>Length</i> 1.5 in.
<i>Width</i> 0.75 in.
<i>Height</i> 1.0 in.

Introduction

1. The panel lamp, Type A4185 is designed to introduce light into the cross section of a plastic panel. The red transparent tube covering the filament lamp allows light to radiate around its circumference. The lamp is let into the panel and has a soft sealing ring to prevent any light rays from escaping around the edge of the unit. A sectional view is shown in fig. 1.

DESCRIPTION

2. The lamp consists of two main parts, namely the lamp socket and filter cap assembly. The filament lamp is a miniature single contact type and is a push fit into the red transparent tube which has two spigot pins which clip into the lamp socket. The lamp socket is extended to form a mounting base, and is drilled to provide one fixing hole.



Fig. 1. Sectional view

RESTRICTED

SERVICING

3. Servicing of these lamps will normally be confined to the renewal of the filament lamp, which is effected by pushing on the filter cap, turning anti-clockwise, and withdrawing. The filament lamp will then be found inside the cap.

Insulation resistance test

4. Using an insulation resistance tester, Type C (Ref. No. 5G/152), test between the centre contact of the socket and the casing. The minimum reading obtained should be not less than 5 megohms.

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