

MICROSCOPE LAMPS – mains voltage

LB2160-001 220/240V clear window LB2161-001 220/240V pale blue window

DESCRIPTION:

The IEC **Microscope Lamps** are general purpose illuminators used for microscope or other laboratory work. This sheet covers both models of mains operated lamps.

Normally the microscope lamp is used on the bench to top illuminate subjects under the microscope or to provide illumination into the mirror below the microscope stage.

The black, heat resisting, non-metallic, ventilated housing operates warm but cannot burn fingers. The lamp housing is designed to permit the passage of air to flow in through hidden slots in the underside and out through hidden slots in the upper surface. Air can pass but it does not permit the escape of light. The housing pivots on the simple stand so that the light beam can be pointed in any direction. The stand also assists to hold the two halves of the microscope housing together. Mains cable is 1m long and fitted with a 2 pin plug.

NOTE: The pale blue tint option on LB2161-001 provides a whiter light because the blue tint absorbs some of the red colour that is naturally present in the hot incandescent filament.

LB2160-001 microscope lamp, 240V



Physical size: housing: 120x65x65 LxWxH

Weight: 0.3 kg

**TO OPEN THE LAMP HOUSING:**

Take note of which way around the stand is fitted. With two hands, pull the metal stand legs apart so that they are stretched out of the pivot sockets on the sides of the housing.

The front window and the rear panel have notches in them into which the two halves of the body firmly click together. The front window and the rear panel are now the only things holding the two halves of the housing gently together. The housing can be opened by pulling **while**, with a screwdriver blade, gently prising the two halves of the housing apart.

The globe is replaced in the normal way. Be careful not to break the globe.

Reassemble the housing by reversing the above procedure.

ELECTRICAL DETAILS: for equipment testers to read and understand.

This lamp is using the standard and approved lamp holder as used in bed lamps and other domestic lamps. It has two connections and there is no connection point for an earth wire. The outer housing is of heat resistant plastic and there are no metallic parts in the construction that can be touched. The pivoting foot is on the outside of the insulated housing and cannot come into contact with any metallic part.

There is no possibility of connecting earth to this product because there is no metallic part as a connection point, therefore there is no earth wire not earth pin provided.

It is not designed as a 'double insulated' product and nor is it meant to be one, therefore it is illegal to use the 'double insulated' symbol. It is simply a product that, by good design and in the interests of cool running and safety, has no relevant metal parts that can be connected to earth. It can be considered to be a similar product to a simple domestic non-metallic bed lamp.

LOW VOLTAGE MODEL:

NOTE: IEC manufactures also a low voltage version of this lamp (LB2162-001). It uses a 12V halogen reflector lamp so that it runs cool and provides a much brighter and whiter light.

Spare Lamp for LB2161-001:

240V models: Lamp: 240V, 25 watt, BC, pearl, 'fancy round' shape. PA2042-001

Designed and manufactured in Australia