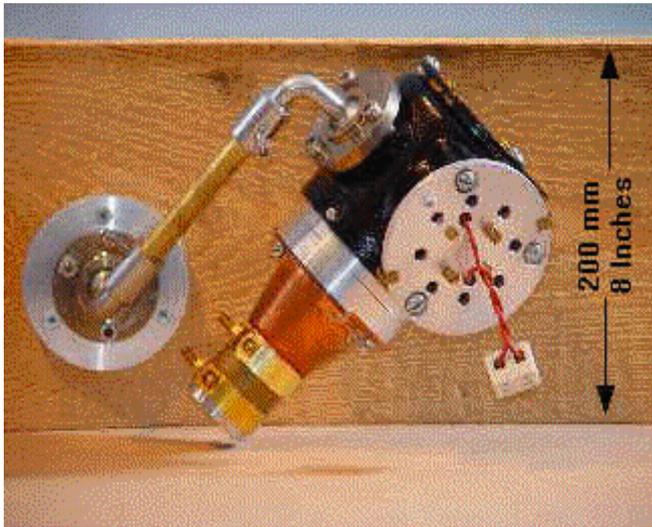


Technical Information



Notes On Our Concealed Optical Lighting Of Painting, Tapestries And Other Works Of Art

Our optical lighting for paintings, tapestries, sculptures and other works of art is highly specialised for the purpose it has to serve and has to be installed by our own trained engineers. The projector and small silent transformer are normally concealed in the space between the ceiling and the floor above and this is provided generally by the usual arrangements of joists. Where access into the ceiling through the floorboards of the room above is not possible, alternative arrangements are investigated to suit requirements.

In most cases projector positions are located, approximately, 80cm-120cm (2'6"- 4'0") from the wall on which the pictures or tapestries are placed and facilitate relatively easy access. This should be confirmed by our engineers.

Our projector is provided with a universal mounting arrangement and firmly fixed to a joist.

Once in place it needs no further attention. Focus and alignment are not disturbed by relamping.

The light is projected at the focal point through a small opening of, approximately, 2cm, (3/4") only, and is protected from direct visibility by a small shield, touched in with the surrounding area. It is confined to the canvas, tapestry or contour by mask which, to ensure exactness, is cut by hand. The light filtered through our lens system is of a neutral quality and renders colour values as true as possible, also filtering out 99.8% of harmful u/v rays to protect all works of art.

The lamp we use in our projectors are usually either 50watt or 100watt and now carry a manufacturer's guarantee of 2000 hours.

The installation of our projectors is a skilled operation but relamping can be attended to locally by anyone to whom it has been shown.

All our optical units are designed by us and manufactured in England.

Technical Data

Approximate dimensions of our projectors:

Length: 18cm - 25 cm (7"-10")

Back to front, depending on the lens employed. We have 20 different optical lenses to answer all requirements.

Width: 15cm (6") approx.

Height: 15cm (6") approx.

Approximate space required for installations:

Minimum depth in ceiling space: 20cm - 25cm (8"-10")

Minimum space between joists: 20cm (8")

Recommended joist run length: 100cm (36")

Minimum trap size: 30cm x 30cm (12" x 12")

Size of our transformer : Mode electronic

Mains supply required: 230/240 Volt AC.

Where the voltage is different, special transformers are provided.

Lamp type : 12v 100w or 50w T/H

Can be changed by local electrician once demonstrated

Wiring: Provision of a 2-Ampre 3-pin socket with plug, or similar, is required in the space adjacent to our projector location (normally 1 metre away from artwork to be lit) and switch controlled in the appropriate room.

Maintenance: Clean lenses every two years (or as required) to be done by A.J.L. engineers