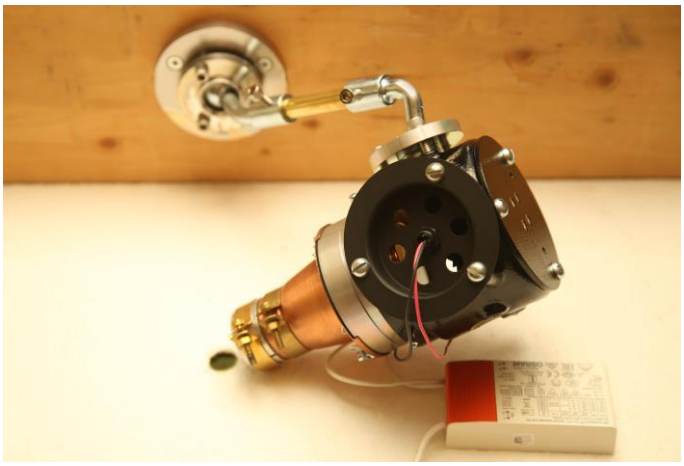
Technical Information



Notes On Our Concealed Optical Lighting Of Paintings, 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 driver 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 fixed in place it needs no further adjustment.

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

The LED we use in our projectors is a Cree chip 36v 350ma 12.6W

All our optical units are designed by us, engineered and hand built 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")

LED Chip: Cree **CMA1306-0000-000N0U0A30G**
36v 350mA 12.6w

Driver: Osram driver (dependent on what switching is used)

Mains supply required: 230/240 Volt AC.
Where the voltage is different, special Drivers can be provided or specified.

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