

CID Compact Iodide Daylight Lamp
2/2.5kW Hot Restrike Metal Halide Discharge Lamp

Identification

Applications

For use with colour film stock balanced for daylight of 5500K and for all colour or monochrome television productions. The CID lamp is designed for use in fresnel lens luminaires and for theatre lighting and allied applications where suitable lighting fittings can make good use of this high intensity compact light source.

Description

Designed as a retrofit lamp to convert luminaires originally utilising incandescent filament lamps, the new CID lamp may be operated within a power range of 2kW to 2.5kW and still maintain a colour temperature of 5500K ± 400K. Such flexibility allows luminaires of various designs to be converted and to meet the parameters for correct operation of the new CID lamp. A feature of the lamp design is the side entry contact for the high voltage ignitor lead. This simplifies luminaire conversion as in most instances the existing G38 lampholder may be used even in the hot restrike mode.

For data on specific luminaire conversion contact: -

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 Tottenham, London N.15 4EG.

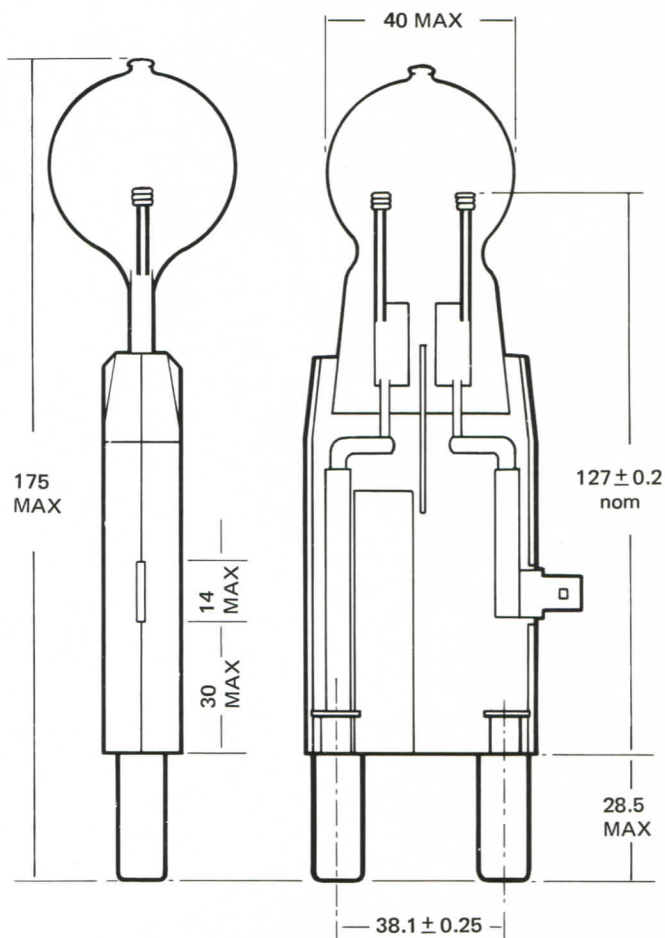
Performance

Electrical Characteristics at 2.5kW

Supply Voltage	220/240 AC*
Base	G38 Bipost
Arc Voltage	100 nom.
Nominal Arc Current	30 amp
Run-up time	1 minute
Restrike time	Instantaneous
Ignitor	I REM AD 3050

Luminous Characteristics at 2.5kW

Lumen Output	200,000
Lumen Maintenance	90%
Correlated Colour Temperature	5500 ± 400K
General Colour Rendering	
Index Ra	85
Chromaticity co-ordinates	x'0.333 y'0.341
Operating Position	Any



*Details upon application for control gear for operation on supply voltages between 100V and 240V AC 50Hz or 60Hz.

Operation and Maintenance

Safety

Before Use

Always isolate the equipment from the electricity supply before inserting or replacing a lamp.

Check that the replacement lamp is the correct type for the application, wattage and cap for use in the circuit and with control gear.

Ensure that the lamp is correctly located in the lampholder and the quartz envelope is not scratched during insertion.

During Use

Where mercury discharge and metal halide lamps are used for prolonged periods in close proximity to eyes and skin there may be a slight possibility of a low level of UV radiation hazard. Suitable protection should be employed.

Certain metal halide lamps have operating restrictions, details of which are specified with the lamps.

High pressure mercury discharge lamps with quartz envelopes without glass outer bulbs emit short wave ultra violet radiation which is readily transmitted through quartz. This radiation is harmful to eyes and skin, operators must be shielded from direct or reflected short wave ultra violet radiation.

Disposal

These lamps should be broken in a container. Precautions must be taken against flying glass or other fragments. The operation should be carried out outdoors (or in a well ventilated area). With high pressure mercury lamps, it is not necessary to break up the inner arc tube. Where applicable, the debris of large quantities of lamps must be disposed of in accordance with the rules of the Local Authority.

Further Information

Thorn Lighting reserve the right to alter the specification without prior notice or public announcement.