

MOON 1200



The Lighting Company

TECHNICAL DATA

POWER SUPPLY: 230 V 50/60 Hz (115V 60Hz on request)

POWER CONSUMPTION : 1300 VA with built in PFC

LAMP: HMI 1200W/S discharge lamp (750 hours)

COLORS: CMY colour changer with dichroic filters + white

BEAM ANGLE: from 2,5° to 13°(mechanical Iris)

BLACK OUT

EXTRUDED ALLUMINIUM

WORKING POSITION: Horizontal \pm 45°

WEIGHT: 15,5Kg +(14,5Kg POWER BALLAST)

**IMPORTANT SAFETY INFORMATION****Fire prevention:**

1 Moon 1200 uses a Osram HMI1200W/S lamp. The use of any alternative lamp is not recommended and will null and void the fixture's warranty.

2 Never locate the fixture on any flammable surface.

3 Minimum distance from flammable materials: 0.5 m.

4 Minimum distance from the closest illuminable surface: 2 m.

5 Replace any blown or damaged fuses only with those of identical value. Refer to the wiring diagram if there is any doubt.

6 Connect the projector to mains power via a thermal magnetic circuit breaker.

Prevention of electric shock:

1 High voltage is present inside the unit. Isolate the projector from the mains supply prior to performing any function which involves touching the inside of the unit, including lamp replacement.

2 The level of technology inherent in the Moon 1200 requires the assistance of specialised personnel for all servicing. Refer all work to your authorised DTS service centre.

3 A good earth connection is essential for proper functioning of the projector. Never connect the unit without proper earth connection.

4 The fixture should never be located in a position exposed to rain or in areas of extreme humidity.

5 A steady supply of circulating air is essential.

Protection against ultraviolet radiation:

1 Never turn the lamp on if any of the lenses, filters or mechanical parts are damaged. Their respective shielding functions will only operate efficiently if they are in perfect working order.

2 Never look directly into the lamp when it is on.

SAFETY

1 The projector should always be installed with fixtures that are capable of supporting the weight of the unit.

2 Always replace the lamp if any physical damage is evident.

3 Never install the fixture in an enclosed area lacking sufficient air flow.

The ambient temperature should not exceed 35°C.

4 A hot lamp may explode, so always wait for at least 10 minutes to elapse after the unit has been turned off prior to attempting to replace the lamp.

5 Always wear suitable hand protection when handling the lamp.

Level of protection against the penetration of solid and liquid matter

1 The projector is classified as an ordinary appliance and its level of protection against the penetration of solid and liquid matter is IP 20.

2 The projector contains electric and electronic components which should under no circumstances come into contact with oil, water or any other liquid. The proper working of the unit would be compromised should this occur.

MOUNTING THE LAMP

Warning: Remove mains power before opening the unit.

OSRAM: HMI 1200W/S

Power 1200W

Luminous flux 110,000 lm

Colour temperature 6000°K

Lampsocket SFC 10-4

Rated life 1,000 hours

The lamp used is manufactured from quartz glass and should be handled with care. Always adhere to the instructions supplied in the lamp's packaging. Never touch the glass directly but use the tissue provided in the lamp's packaging.

REPLACING THE LAMP

Warning: Remove mains power before opening the unit.

Remove the top rear cover by loosening the 2 screws on the back side of the unit panel.

The lamp must be inserted on the lamp socket by passing through the front side of the aluminium reflector



FORCED VENTILATION

You will note, on inspection, that the fixture features various air inlets and cooling fans located on both the base and head of the fixture. These should, under no circumstances, be blocked or obstructed whilst the projector is in operation.

Doing so could cause the fixture to seriously overheat thereby compromising its proper operation.

MAINS CONNECTION

Connect the Mains cable to the external magnetic ballast of the MOON 1200 by using the special Powercon male cable connector provided in the box.

The projector operates at 230V 50/60 Hz (115V 60Hz on request). Prior to connecting the unit to your mains supply, ensure that the model in your possession correctly matches the mains supply available. For connection purposes, ensure that your plug is capable of supporting 10 amps at 230V.

Strict adherence to regulatory norms is strongly recommended.

WARNING

Do not remove the connecting cable between magnetic ballast and MOON 1200 when the unit is ON.

HALF POWER

MOON 1200 magnetic ballast is equipped with a Switch that can reduce the lamp power to 50% of the standard consumption (575W) .

ATTENTION

We recommend to not use "HALF POWER" function for a long time because it may cause lamp damaging.

IRIS REPLACEMENT

Warning: Remove mains power before replacing the Iris.

1 Remove the top rear cover by loosening the 2 screws on the back side of the unit panel. (Photo 1 and 2)

2 Press the Iris lock and pull up the iris sub assembly (photo 3 and 4)



PHOTO 1



PHOTO 2



PHOTO 3



PHOTO 4

PERIODIC CLEANING**Lenses and reflectors**

Even a fine layer of dust can reduce the luminous output substantially. Regularly clean all lenses and the reflector using a soft cotton cloth, dampened with a specialist lens cleaning solution.

Fans and air passages

The fans and air passages must be cleaned approximately every 6 weeks. This periodic cleaning will depend of course, on the conditions in which the projector is operating. Suitable instruments for performing this type of maintenance are a brush and a common vacuum cleaner or an air compressor. If necessary, clean the fans and air passages more frequently.

PERIODIC CONTROLS

Lamp

The lamp should be replaced if there is any visible damage or deformation due to heat. This will help to avoid the danger of lamp exploding.

Electrical components

Check all electrical components for correct earthing.

Fuse replacement

Locate the fuse, which protects the lamp, in Moon 1200 magnetic ballast.

Using a multimeter, test the condition of the fuse, replacing it with one of equivalent type if necessary.

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