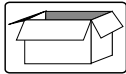


The Testa 2000 AL MK2 followspot is ideal for TV studios, concerts, theatres and discotheques. This leaflet is included to give an advice on installation, use and maintenance to ensure the optimum performance for the life of the followspot.

SPECIFICATION

The Testa 2000 AL MK2 is a compact followspot using a 2000W halogen lamp and has a field angle of either 5,5° or 12° depending on the objective lens fitted. The Testa is suitable for throws from 15m up to 35m, and it is fitted with iris diaphragm, mechanical dimmer and 4 shutter blades.



UNPACKING

* check for damage

Take care when unpacking that all the parts included in the box are undamaged. In case of transportation damage inform your forwarder in writing immediately.

* packing list

check that all of the following items are included in the box :

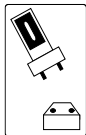
1 Testa 2000 AL MK2

1 iris diaphragm

4 shutter blades

* type of lamp

The Testa 2000 AL MK2 can be fitted with tungsten halogen lamps, base GY16, 50000 lumens, 3200°K, 400hrs (*Coemar code 105020*).



FITTING LAMP

isolate luminaire from both poles of the main supply before opening

the surface temperature of the luminaire reaches 150° C after 5 minutes and has a maximum steady-state temperature of 200° C.

Ensure the lamp is cold before attempting to remove it. The luminaire can only be opened 10 minutes after mains supply disconnection.

* release the lamp tray

a captive screw fastener is fitted beneath the Testa 2000 AL MK2 to lock the lamp tray in position. Unscrew the knob until it is free, and gently pull it down to lower the lamp tray. As soon as the tray is released, the safety switch will automatically disconnect both poles of the mains supply to the lamp.

* handle the lamp with care

The lamp used for the Testa 2000W AL is a quartz glass halogen lamp which must be handled with care. Lamp life of both lamps is 400 hours. DO NOT touch the quartz glass envelope of the lamp directly; use the polythene cover supplied with the lamp.

* align the lamp correctly

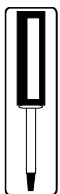
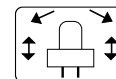
The GY16 lampholder is not symmetrical to ensure the lamp is fitted correctly. DO NOT FORCE the lamp into the lampholder; in case of difficulty rotate the lamp to reverse the pin location and try again.

* close the lamptray carefully

do not slam the lamptray when closing it: this can cause lamp filament damage.

* center the lamp

To center the lamp fix one of the M4 screws on the bottom of the lamp tray. (See figure).

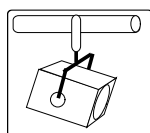


ELECTRICAL CONNECTION

* prepare the cable with care

Heat and fire resistant mains cable, VDE approved which conforms to the latest international safety regulation is fitted.

Note: this cable may only be replaced with similar high-temperature cable (3x1,5 cable, 10 mm. external ø, voltage 300/500V, testing voltage 2KV, max/min temperature -40° +180°. *Coemar code CV5309*).



INSTALLATION

There are several operator-adjustable features which should be checked before the Testa is used.

* lamp

The beam quality is directly related to the position of the arc in the optical system. If the lamp is slightly off-centre, the beam can appear patchy and discoloured, and the operation of the iris and dimmer is impeded. To adjust the lamp, switch on the followspot. Direct the beam onto a flat surface about 8/10 metres from the spotlight. Move the lens to the rear, so that the beam is completely out of focus. Reduce the iris to about half. The arc will be seen as a single bar, and this should be in the centre of the beam. If this is not the case, adjust the position of the lampholder by loosening or tightening each of the two M4 Allen screws under the lampholder pod until the arc is correctly centred.

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* tilt friction

The stirrup is fitted with fixing screws on both sides. One of them is a large T-bar knob which used to lock the spotlight in place. The corresponding screw on the other side is pre-set to give to the followspot the tilt movement of +/- 45°

* balance

The point of balance is variable on the Testa to take account of the addition of a colour change unit on the front. To re-balance the spotlight, first ensure that the body is locked in a horizontal position by tightening the T-bar knob and also the pan movement of the stand. Using a 17mm ring spanner, loosen the two pivot bolts until the body is free to move in the guide slots. Take care that the spotlight is supported, as it may be necessary to move the fixing across the gap at the gate between the two body sections, and if the spotlight is not properly supported it could prove too heavy to hold. Adjust the position of the pivot, slacken the tilt lock and check for balance. Repeat the process until the best balance point is achieved. Re-tighten the pivot bolts, ensuring that they are both fully tightened.

* pan movement

The friction for the pan movement is set by the main clamp beneath the height locking ring.

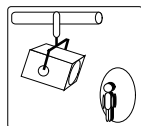
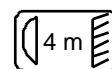
* mounting on tripod

The Testa is supplied with a spigot adaptor which is bolted onto the mounting stirrup. The stirrup is designed to give a smooth and positive up/down movement. The pan movement (left/right) relies on the middle joint of the tripod stand, and we therefore strongly recommend the use of the Coemar Followspot Stand (code n. 8002) which incorporates a neoprene collar to give a smooth pan movement.

Before to place the Testa on its stand, ensure that the tripod legs are fully extended, and locked into a stable position. Then raise the central tube until it is at the height required by the followspot operator. Lock the collar onto the tube so that the tube is free to rotate on the neoprene washer at the top of the main clamp block. The Testa should be mounted on the tripod with the spigot locked into the first tube, so that the pan movement is regulated by the friction provided by the main clamp block.

* eliminate fire hazard

please remember that any theatre luminaire produces heat, and therefore it must be located in a well-ventilated position. Minimum distance from flammable materials: 0,5 m. Minimum distance between light source and object: 4 m.



OPERATION

* switch on/off

A switch located at the rear allows to switch on the followspot. The cooling fan is powered directly, so that whenever power is applied, the fan is running whether the lamp is ignited or not. It is advisable to keep the fan running for a short period after the lamp has been extinguished to assist the cooling cycle.

* focus

Followspots are used either with a sharp or a soft edge. Adjust both knobs located to each side of the lens tube in order to obtain a correct focus of the beam.

* iris

The iris is included to reduce the diameter of the spot whilst maintaining the same intensity of illumination. The iris is fitted with a long lever for smooth variations in beam diameter whilst the spot is moving. The iris and dimmer controls operate in the same direction, and can be used together for a subtle move-closedown-dim action. If the iris is reduced to its smallest diameter at the end of a cue, close the dimmer fully (blackout) and re-open the iris to reduce the risk of damage to the iris leaves through overheating.

* dimmer

The mechanical dimmer is a black-out iris placed in a non-focused point of the optical path. The dimmer provides a smooth dim, with a constant colour temperature, from full power to blackout. The control is placed so that it can be used in conjunction with the iris control.

* zoom lens

The Testa 2000 AL MK2 is fitted with two high definition lenses which allow to vary the beam angle from 5,5° to 12°. Loosen knobs located on the right side of the followspot and set the beam angle required.

* colour changer

An optional 5 colours colour change unit is fitted with a device which automatically releases the colour selected. Before fitting it, make sure that the tilt lock is tight to prevent the extra weight of the colour unit from making the balance unstable. Fit the colour unit into the guide slots located on the front part of the followspot and ensure that it is locked by the fixing clips.

* filters

Each colour frame takes a circular piece of colour filter 150mm in diameter. A high temperature filter such as Rosco SuperGel is recommended. Filter should be added or exchanged when the colour unit is removed from the spotlight. Push all the frames into the housing except the one to be re-coloured. Taking a screwdriver, remove two of the clips, and slacken the third clip. The piece of filter is then sandwiched between the two support rings, and the filter and rings are replaced and held in position by three clips.

Note: the rings can be used as templates to cut the filter to the exact size.

ROUTINE MAINTENANCE

* safety

Every effort has been made to ensure the safe operation of the Testa followspot. However, it is always important to observe safety precautions when using this equipment.

- Shields and lenses shall be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches
 - The lamp shall be changed if it has become damaged or thermally deformed
 - Check the movement of shutter blades (if fitted) and replace when necessary.
 - Check the electrical connection regularly, in particular the earth connection
 - Check for any damage. If needed, replace any damaged components
-

LAMP LIST

The Testa 2000 AL MK2 followspot will accept any 2000W TH GY16 base lamp. However, for optimum light output, compact source "biplane" filament lamps are recommended. Lower light output and poor beam quality may be seen if a "monoplane" lamp is fitted. The following lamps are recommended for the Testa 2000 AL: 2000W CP72, 2000W CP79. (*Coemar code 105020*).

SPARE PARTS

All parts for the Testa 2000 AL MK2 are available on request.



coemar

COEMAR reserve the right to alter these specification without prior notice
