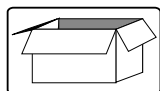


This instruction leaflet describes how to use the COEMAR Passo F spotlight. The advice given here will ensure the optimum performance from the product for many years.



UNPACKING

* check for damage

check the contents carefully. In the case of transportation damage, inform your distributor immediately.

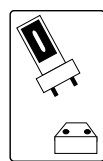
* packing list

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

- 1 Passo F
- 1 1000W lamp
- 1 colour frame
- 1 safety chain

* type of lamp

each Passo F spotlight is supplied with a 1000W lamp. Ensure that the lamp has a GX9,5 lamp base, and is the correct wattage and voltage. A list of compatible lamps is shown at the end of this page.



FITTING LAMP

isolate luminaire from both poles of the main supply before opening

the surface temperature of the luminaire reaches 180° C after 5 minutes and has a maximum steady-state temperature of 200° C.

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

* check position of focus knob

the lamp may be fitted only when the focus is in the "SPOT" position. The focus knob is located on the base of the spotlight, and an indicator label shows the flood position towards the front, and clearly identifies the spot position (towards rear) with a green marker.

* release lamp tray

the small knob at the side of the Passo F spotlight activates a spring-loaded bolt which locks the lamp tray in position. Pull the knob out and lower the lamp tray.

* handle the lamp with care

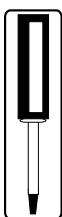
the lamp used for the Passo F spotlight is a quartz glass halogen lamp which must be handled with care. DO NOT touch the glass envelope of the lamp directly; use the polythene cover supplied with the lamp.

* align the lamp correctly

the GX9,5 lampholder is symmetrical which allows the lamp to be fitted either way round. The socket may be tight at first, and so some difficulty may be experienced in fitting the lamp. Apply force on both side of the ceramic base evenly: NEVER apply any force to the glass envelope of the lamp.

* close the lamptray carefully

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



ELECTRICAL CONNECTION

* prepare the cable with care

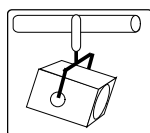
Firecel® heat and fire-resistant mains cable is fitted. This is a specially developed cable for use in public places, and it conforms to the latest international safety regulations. Take care when preparing the cable: the cable includes glass-fibre insulation, and care must be taken not to cut the inner insulation (thus exposing the live wires) when stripping the outer insulation of the cable. *Note: this cable may only be replaced with similar high-temperature cable (3x1.5 cable, 10 mm. external ø, testing voltage 3000V, COEMAR stk.n. CV654).*

* fit a suitable power plug

ensure that the mains plug is capable of connecting a load of at least 5 Amps, and has a good earth connection. For safe operation it is vital that the metal case of the Passo F is securely connected to earth by green/yellow wire. Connect brown wire to the phase, blue wire to neutral pins respectively, and check that all the terminals are tight.

* testing

connect the spotlight to a fused power supply to check that the lamp lights correctly before it is installed in position.



INSTALLATION

* fit safety guard

the Passo F is supplied with a safety wire guard to prevent glass from falling in the unlikely event of a lamp or lens being broken. The lens guard should be fitted in the guide slot closest to the lens, with the safety clip securely in place to retain the guard in position.

* fit accessories

in addition to the wire guard, two more guide slots are provided in the front of the Passo F to fit a colour frame and barndoor attachment or a colour change unit. When installing one of these items, ensure they are securely located and retained by the spring clip.

* check lamp position

ensure that the Passo F is always used with the lamp base downwards. If the attitude of the spotlight is reversed, the lamp seal will overheat and drastically reduce lamp life.

* **slacken the pan and tilt position**

the Passo F is fitted with a pre-set tension clamp on the fork to prevent the spotlight "crashing" if the tilt lock is released when the spotlight is out of balance. Check the tension of the clamps before mounting the spotlight in position by unscrewing the tilt lock, and rotating the spotlight. If the movement is stiff, slacken the pre-set locknut on the other side of the fork. Retighten the lock knob.

* **tilt angle**

the Passo F must be mounted so that the tilt (vertical) angle does not exceed above 45° above and below a horizontal projection. The fork must always be attached to a horizontal plane.

* **secure mounting position**

a 12 mm. clear hole is provided in the fork to attach the spotlight to a clamp or bracket. Ensure that fixing point is suitable for the 6 Kg. weight of the Passo F.

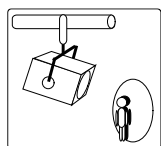
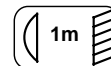
* **secondary fixing point**

it is strongly recommended that the included safety chain is attached to the Passo F and secured to the main mounting framework, to arrest the fall of the unit in the unlikely event that the primary mounting arrangement fails. A robust loop has been cast into the rear of the Passo F to attach the chain.

* **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: 1 m.



OPERATION

* **slacken the pan and tilt movement**

prior to focusing the Passo F, ensure that the fork and the suspension points are free, and easy to rotate. The tension of the pivot point of the spotlight has been preset in the factory, but this may be adjusted as desired.

* **power supply**

connect the Passo F to a suitably fused and switched main supply for full output, or to a dimmed supply. Whilst focusing, it is advisable to remove the colour frame and to set the supply to a dimmed level to restrict the temperature of the case.

* **focus**

the sliding focus knob beneath the spotlight unscrew to unlock, and slides forwards to flood position and backwards for spot. Tighten the knob to set the desired focus position.

* **colour frame**

all Passo F spotlight are supplied with a colour frame which accepts a piece of filter 200x200 mm. A high temperature colour filters is recommended.

ROUTINE MAINTENANCE

All spotlights require regular maintenance to ensure optimum performances and maximum light output.

- clear the lenses and the reflector regularly, as even a thin layer of dust will reduce the output, and scatter the beam.
- 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 electrical connections, in particular the earth connection
- check for any damage. Replace any damaged components after reference to the spares list overleaf.

LAMP LIST

The Passo F spotlight will accept any 1000W 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 Passo F: 1000W T19, 1000W CP70.

SPARE PARTS

All parts for the Passo F, and an exploded parts diagram and component schedule are available on request.



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COEMAR reserve the right to alter these specifications without prior notice
