

f.a.l.

PROFILE SPOT 650

Instruction Manual

model:

PF 1245 PROFILE SPOT 650 20°-40°

ATTENTION

This instruction manual contains important information about the installation and use of the projector. Please read and follow these instruction carefully.

ATTENTION




Always ensure that the power to the projector is disconnected before opening the projector or commencing any maintenance work.

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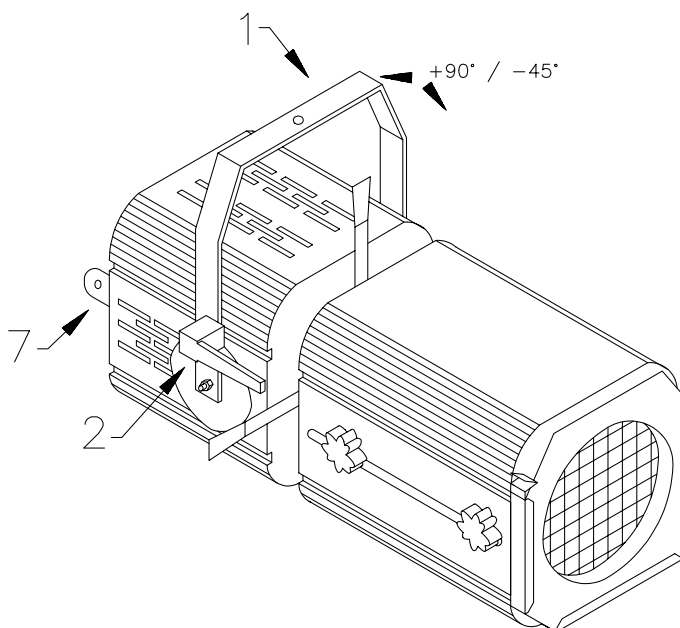
Please note that as part of F.A.L.'s ongoing commitment to continuous product development, specifications are subject to change without notice. Whilst every care is taken in the preparation of this manual F.A.L. reserves the right to change specifications in the course of product improvement. The publishers cannot be held responsible for the accuracy of the information herein, or any consequence arising from them.

01 – SAFE USAGE OF THE PROJECTOR

- ❖ Do not attempt to dismantle and modify the projector.
- ❖ Do not allow contact with any inflammable fluids, water or metallic objects (IP 20).
- ❖ Do not install the projector in areas of high humidity.
- ❖  The projector is not designed or intended to be mounted directly on to inflammable surfaces.
- ❖ Keep at least 0.5m distance between the projector and adjacent inflammable surfaces.
- ❖ The projector must only be used complete with its protective grill and/or front lens.
- ❖ The protective grill, lenses or ultraviolet filter must be changed if they are visibly damaged to the point at which their effectiveness is diminished, for example by becoming cracked or deeply scratched.
- ❖ The lamp must be changed if it becomes damaged or deformed by heat.
- ❖  3 m  Keep at least 3m between the lamp and the illuminated surfaces.
- ❖ Avoid direct exposure to the light from the lamp. The light is harmful to the eye.
- ❖ Note: the lamp reaches very high temperatures, allow at least 10 minutes for the lamp to cool completely before attempting to handle it. Ensure the lamp is cool before attempting to handle it.
- ❖ Attention! Before removing, moving the profile blades or regulating the inclination of the apparatus, turn off the projector and let it cool.

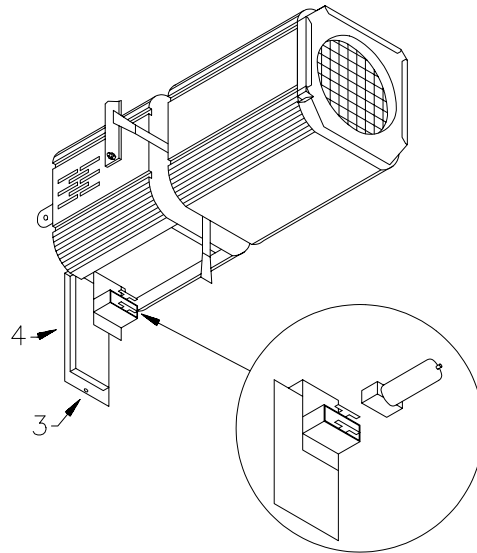
02 – INSTALLING THE PROJECTOR

The projector should be mounted using M10 bolts through the 11mm hole in its bracket (1). For safety the projector should have a secondary fixing with a safety chain through the fixing eye (7). The projector bracket allows an angle adjustment of $+90^{\circ}/-45^{\circ}$ and, once positioned, the knob (2) should be firmly tightened. The projector mounting bracket can also be easily rotated to be positioned on the underside of the projector for tripod mounting etc.



03 – FITTING THE LAMP

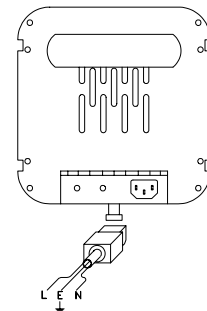
The lamp access hatch is released by turning fastening screw (3) a quarter turn. Insert the T27 650W lamp into its socket (Use only the lamp version that is correct for the mains voltage 120V/220V/240V). The T27 lamp base is asymmetric, therefore it can only be inserted in one way. Insert the lamp with care and without using excessive force. Do not touch the glass of the lamp. If the glass is accidentally touched, follow the manufacturers instructions for cleaning the lamp before you use it, otherwise the lamp life may be significantly reduced. Close the access hatch and, using the knob (4) placed under the hatch, move the lamp to the centre. By moving the knob forwards and backwards you can adjust the focus of the beam thus obtaining a sharp projection.



04 – POWER SUPPLY – MAINS

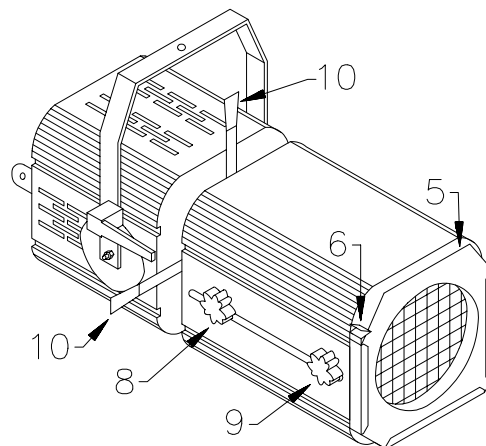
Use the plug provided to connect the mains power to the projector paying attention to the voltage and frequency marked on the label attached to the projector. The brown wire is live (L), the blue wire is neutral (N), and the yellow and green wire is earth (E).

IMPORTANT: It is essential that each projector is correctly earthed and that electrical installation conforms to all relevant standards.



05 – ZOOM AND FOCUS

Zoom and focus of the light beam are adjusted via the 2 knobs (8-9) located on the right side of the projector. The beam spread can be adjusted from a minimum of 20° to a maximum of 40°.



06 – PROFILE SYSTEM AND IRIS

The Profile Spot 650 is provided with a profile system of 4 profile blades. Insert the profile blades (10) in the appropriate 4 side slots to cut the beam to the required shape. A dedicated 55mm diam. iris (PF 837), and a gobo holder for 53mm diam. gobos (PF 818) are also available.

07 – FILTER FRAME

The filter frame (5) is located at the front of the projector. Move back the spring (6) and slide the filter frame out. Remove the springs and insert the coloured gel. (It is recommended that only filters with a high temperature capacity are used).

08 – MAINTENANCE

If the protective grill or any of the lenses become damaged or broken they should be replaced. If the lamp becomes damaged or deformed in any way it must be replaced.

09 – KEEPING THE PROJECTOR CLEAN

Clean the lenses periodically (at least every six months) to maintain optimum light output from the unit.

10 – TECHNICAL DATA

POWER SUPPLY:	Dependent on lamp type.
LAMP:	T27 650W T25 500W M40 500W M38 300W Socket GY 9.5.
OPTICS:	High efficiency reflector in quartz coated aluminium Plano-convex zoom lenses diam.100mm. Typical throw distance from 2.5 to 10m.
ZOOM:	Manual from 20° to 39°.
BEAM SHAPERS:	Steel shutter blades.
IRIS:	Optional diaphragm diam. 55mm to order (code PF 837).
GOBO HOLDER:	Optional gobo holder for diam. 66mm gobo M size to order (code PF 818).
COLOUR FRAME:	With spring clip for easy filter change.
VENTILATION:	Construction assisted convection cooling. Maximum ambient temperature 25°C.
HOUSING:	Extruded aluminium and steel plate body. Scratch resistant black epoxy powder paint. Easy access to lamp and internal parts of the projector. Protection IP20.
DIMENSIONS:	485mm L x 250mm W x 180mm H (300mm including bracket). Weight 7.8kg.
REFERENCE NORM:	CE