



**Theatre Equipment
for every occasion.**

Furse Theatre Equipment

Furse have developed an extensive range of products and services, capable of equipping any performance area or stage worldwide.

The Furse range of products include:—

- Luminaires
- Control Systems
- Lighting Bars and Suspensions
- Tracks and Curtains
- Lighting Paks

In addition, spare parts and accessories — lamp bulbs, colour filters, fuses, suspension chains, wire rope and fixings — are available from stock.

Furse fully comprehensive service extends from initial design and planning to the supply, installation, subsequent inspection and maintenance of complete schemes including sound, projection equipment, seating and other engineering needs.

You can rely on Furse to ensure that all equipment supplied complies with the relevant British Standard specifications and safety requirements for a variety of installations in:—

- Universities
- Schools
- Theatres
- Leisure Centres
- Discos
- Hotels
- Hospitals
- Conference Centres



SPK 500 Spotpak

General purpose spotlight with two interchangeable lenses for hard or soft edge beams.

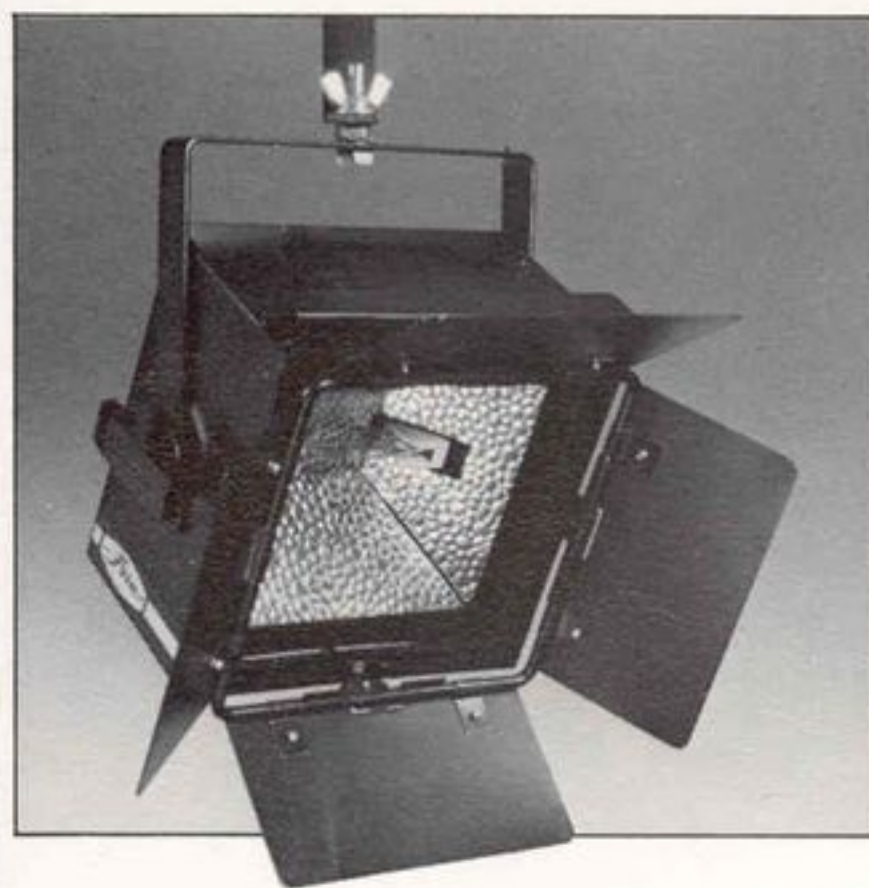
Performance:

500w Lamp type T18, safe tilt 90° cap down.
 Life of Lamp — 300 hours at 240v.
 Light Output — Fresnel 5m throw 9° beam angle
 930 lux peak intensity.
 Profile 5m throw 17° beam angle
 970 lux peak intensity.
 Beam Angle — Fresnel 9° — 27°
 Profile 17°

Dimensions:

Length 380mm, Width across trunion arm 210mm,
 Height including trunion arm 316mm.

Weight: 4.5kg.



LFL 250 Floodlight

Floodlight with high intensity fixed beam angle giving an even wash of light. Integral external shutters control light spill and beam shaping.

Performance:

250w Lamp linear type K15.
 Life of Lamp — 2000 hours at 240v.
 Light Output — At 3m throw 135 lux peak
 intensity.
 Beam Angle — 74°.

Dimensions:

Length 140mm, Width across trunion arm 235mm,
 Height including trunion arm 235mm.

Weight: 2.6kg.



JPR 1,000 Profile Spotlight

Spotlight with hard clear cut edge to light beam. Shape variable by iris diaphragm — (optional extra).

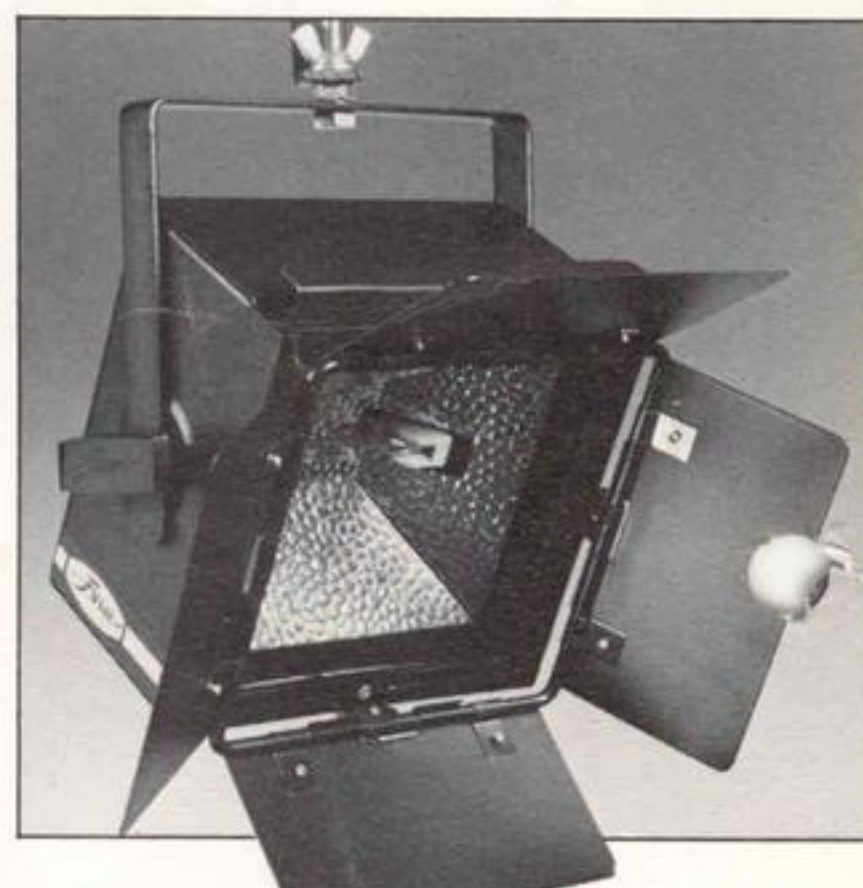
Performance:

650w Lamp type T12, safe tilt 90° cap down.
 1000w Lamp type T11, safe tilt 90° cap down.
 Life of Lamp — T12 and T11 — 750 hours at 240v.
 Light Output — T12 lamp at 10m throw 360 lux
 peak intensity.
 — T11 lamp at 10m throw 520 lux
 peak intensity.
 Beam Angle — 21°.

Dimensions:

Length 503mm, Width across trunion arm 273mm,
 Height including trunion arm 410mm.

Weight: 7.5kg.



LFL 1,000 Floodlight

Floodlight with high intensity fixed beam angle giving an even wash of light. Integral external shutters control light spill and beam shaping.

Performance:

1000w Lamp linear type K4.
 Life of Lamp — 2000 hours at 240v.
 Light Output — At 5m throw 200 lux peak
 intensity.
 Beam Angle — 75°.

Dimensions:

Length 250mm, Width across trunion arm 500mm,
 Height including trunion arm 500mm.

Weight: 8.0kg.

Note: Alternative voltage ratings are available to suit user requirements.



MPR 1,000 Profile Spotlight

Spotlight with hard clear cut edge to light beam. Profile variation by four externally operated shutters.

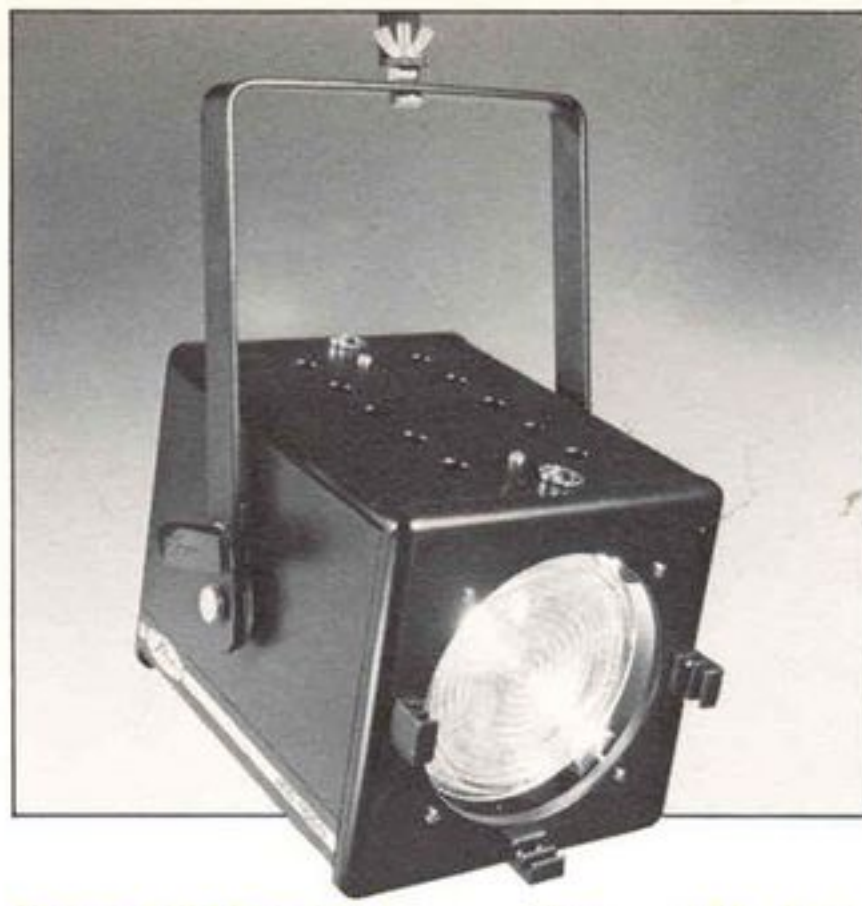
Performance:

1000w Lamp type T11, safe tilt 90° cap down.
 Life of Lamp — 750 hours at 240v.
 Light Output — 10m throw (20° beam angle)
 470 lux peak intensity.
 Beam Angle — 20°.

Dimensions:

Length 518mm, Width across trunion arm 282mm,
 Height including trunion arm 428mm.

Weight: 7.75kg.



JFR 1,000 Fresnel Spotlight

Compact spotlight with a soft edged beam and variable width. Suitable for high intensity lighting over a given area.

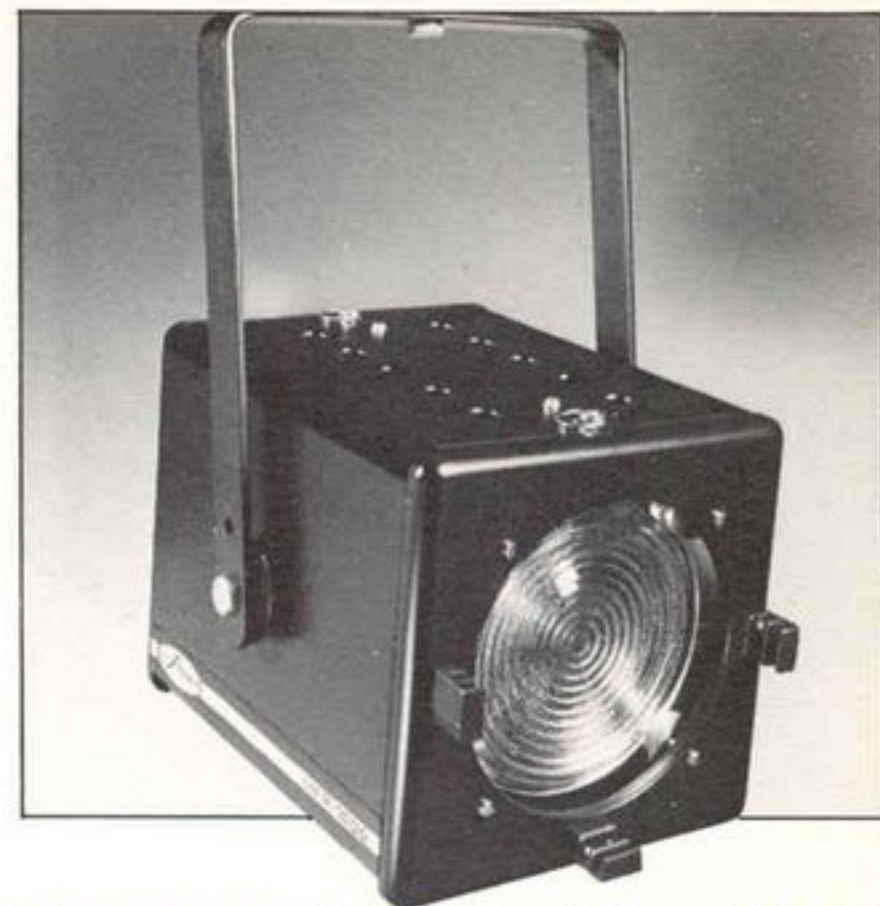
Performance:

650w Lamp type T12, safe tilt 90° cap down.
 1000w Lamp type T11, safe tilt 90° cap down.
 Life of Lamp — T12 and T11 750 hours at 240v.
 Light Output — T12 at 5m throw (8° beam angle)
 3150 lux peak intensity.
 — T11 lamp at 5m throw (8° beam angle)
 4000 lux peak intensity.
 Beam Angle — 8° - 32°.

Dimensions:

Length 300mm, Width across trunion arm 270mm,
 Height including trunion arm 410mm.

Weight: 5.5kg.



MFR 1,000 Fresnel Spotlight

Spotlight with a soft edged beam and wide variable beam width.

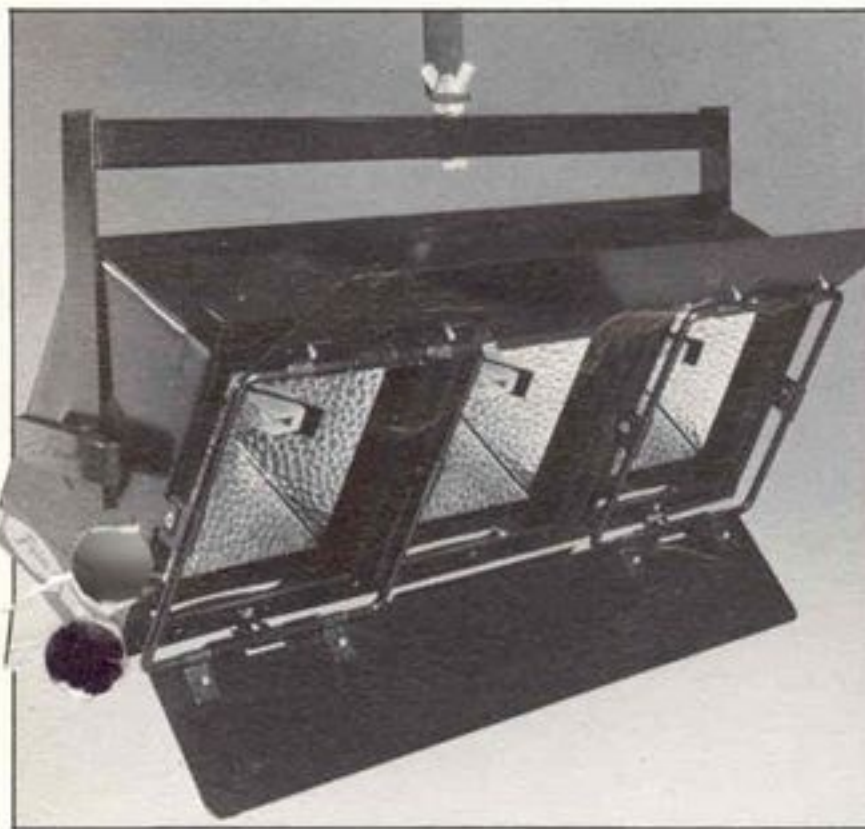
Performance:

1000w Lamp type T11, safe tilt 90° cap down.
 Life of Lamp — 750 hours at 240v.
 Light Output — At 10m throw (7° beam angle)
 1150 lux peak intensity.
 Beam Angle — 7° - 56°.

Dimensions:

Length 400mm, Width across trunion arm 370mm,
 Height including trunion arm 430mm.

Weight: 8.0kg.



LFL 3 x 250 Floodlight

Floodlight with high intensity even spread of light for general or colour washing purposes. Units can be placed laterally for varying widths of area. Units can be angled for specific coverage. Horizontal shutters included for the control of vertical light spill.

Performance:

750w (3 x 250w) lamp linear type K15.
 Life of Lamp — 2000 hours at 240v.
 Light Output — Per compartment at 3m throw
 135 lux peak intensity.
 Beam Angle — Per compartment 74°.

Dimensions:

Length 140mm, Width across trunion arm 595mm,
 Height including trunion arm 260mm.

Weight: 7.0kg.



LPR 2,000 Profile Spotlight

Spotlight with a hard edge beam. Variable beam width by built in iris diaphragm. Built in shutter for beam shape change. Ideal for long range follow.

Performance:

2000w Lamp type CP53, safe tilt 90° cap down.
 Life of Lamp — 400 hours at 240v.
 1000w Lamp type CSI
 — compact source metal halide.
 Life of Lamp — 200 hours (transformer start).
 Beam Angle — 10°.

Dimensions:

Length 1050mm, Width across trunion arm
 460mm, Height including trunion arm 550mm.

Weight: 29.5kg.

Luminaire Accessories

Barn doors. Available to control light spill with all fresnel spotlights.

Iris diaphragm to control beam width for use with JPR 1000 and MPR 1000 spotlights.

Colour frames. One is provided as standard with each luminaire. Extra frames can be supplied.

Colour filters. A full range of high temperature resistant colour effects filters available in sheets or rolls

Colour wheels. Electrically operated to provide colour changing by remote control for use with SPK 500, JPR 1000, JFR 1000.

All necessary supporting accessories—cable and control boxes with selector switches.

Plugs and sockets (5-amp or 15-amp) safety chains and suspension clamps can be supplied

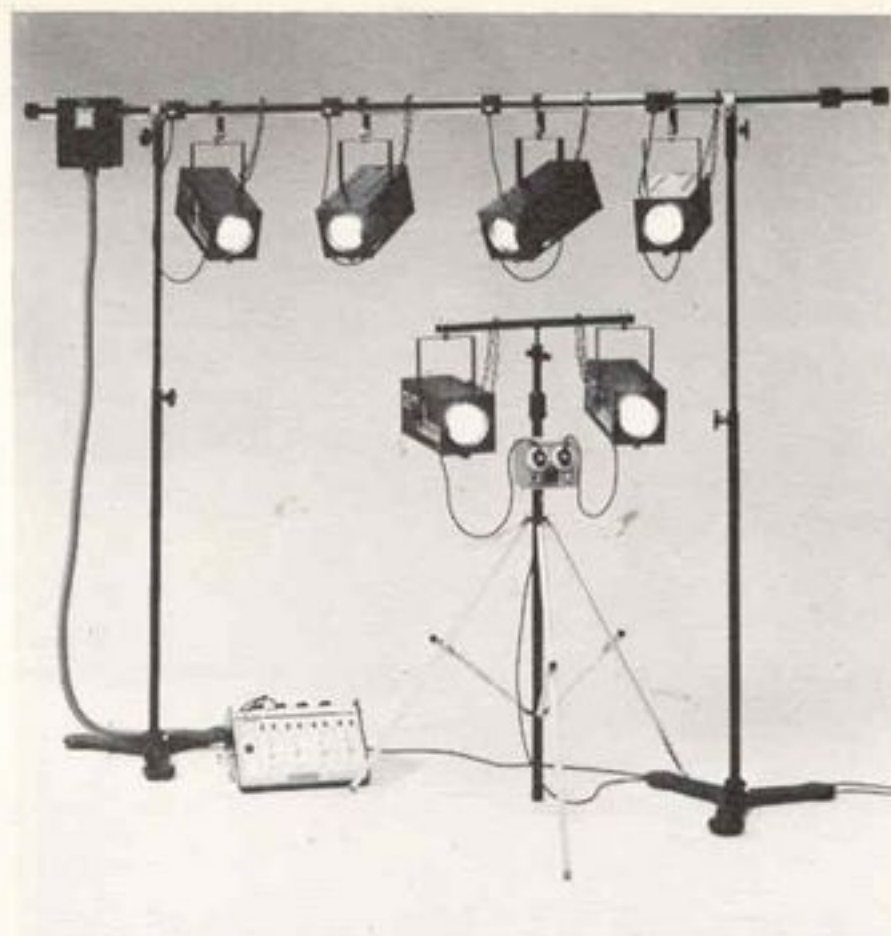


Lighting Paks

Lighting Paks provide an economical and flexible facility to suit a variety of power outlets. They can be grouped together easily to meet specific performance requirements.

Rostra

Furse supply a range of rigid and folding units based on standard play patterns. In addition, Furse will purpose build units to meet individual requirements.



Electronic Dimmer Control Desk

Lightweight portable units offering a selection of preset facilities with master controls and blackout switches.

Desks available in two forms:—

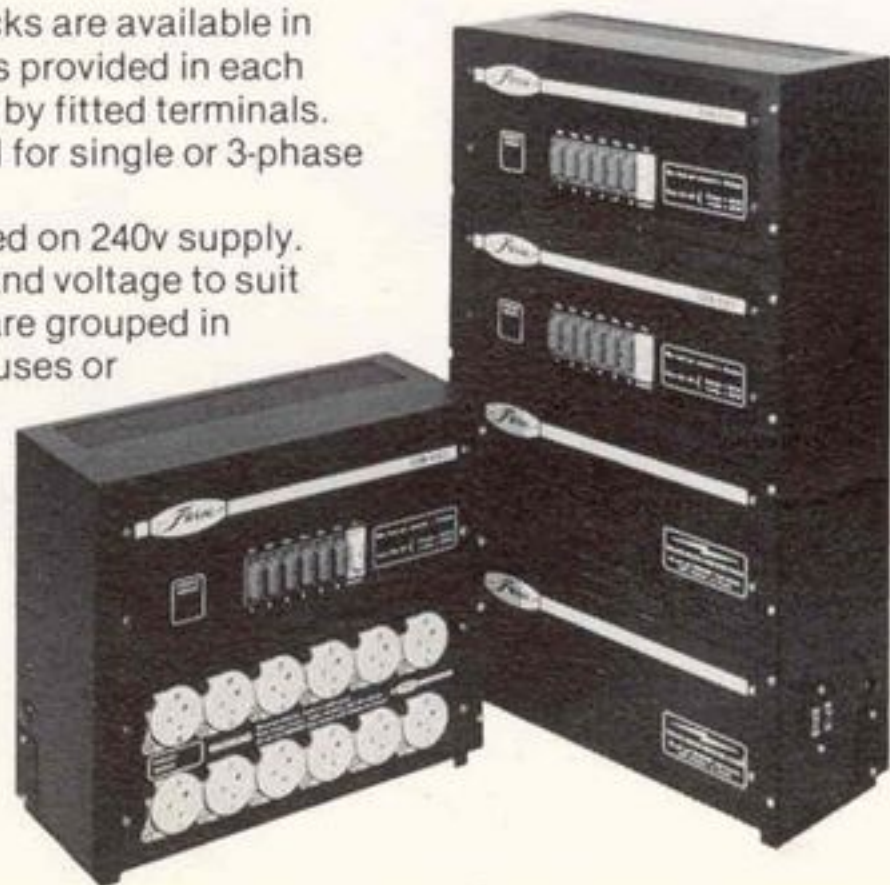
- Remote operation with separate racks of dimmers.
- Dimmers and control in single cabinet to provide safe switching and dimming where capacity of supply is limited.



Electronic Dimmer Racks

Self-contained free standing dimmer racks are available in both standard sizes or purpose built. Space is provided in each rack to connect mains and permanent wiring by fitted terminals. All racks are fully ventilated and can be wired for single or 3-phase operation.

Standard dimmers are rated at 2kw based on 240v supply. Alternative dimmer ratings, in size, wattage and voltage to suit users' requirements are available. Dimmers are grouped in modules and fully protected with individual fuses or miniature circuit breakers on the output side — one per dimmer channel. Dimmer circuits are complete with inductive and radio suppression filters to conform to BS800. Socket plates with 5-amp or 15-amp outlets can be fitted to provide easy connection of load circuits in place of terminal blocks. Carrying handles and plug in power connections can be fitted to portable versions.



Theatre Engineering

Tracks and Curtains

Furse curtain track is specifically designed for use with the minimum number of suspension points and will carry the heavy weight normally used for stage work. Track can be controlled electrically or manually. Curved track is available to completely encircle a performance area or incorporate right angle bends.



Curtains can be supplied in a variety of materials to meet specific requirements, manufactured to allow for fullness, pleating and attachments according to weight.

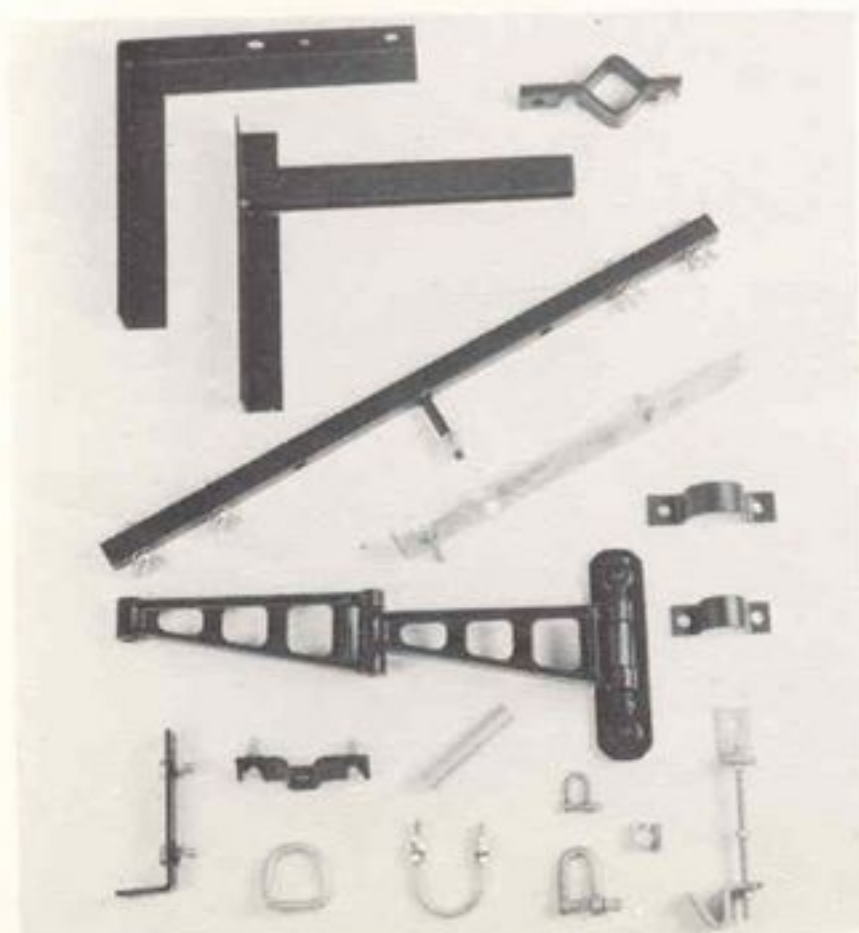
Pulley Equipment

A range of pulleys and winches for raising and lowering purposes is available together with hauling ropes, suspension clamps and attachments. All are load tested to meet safety requirements.



Bars and Sockets

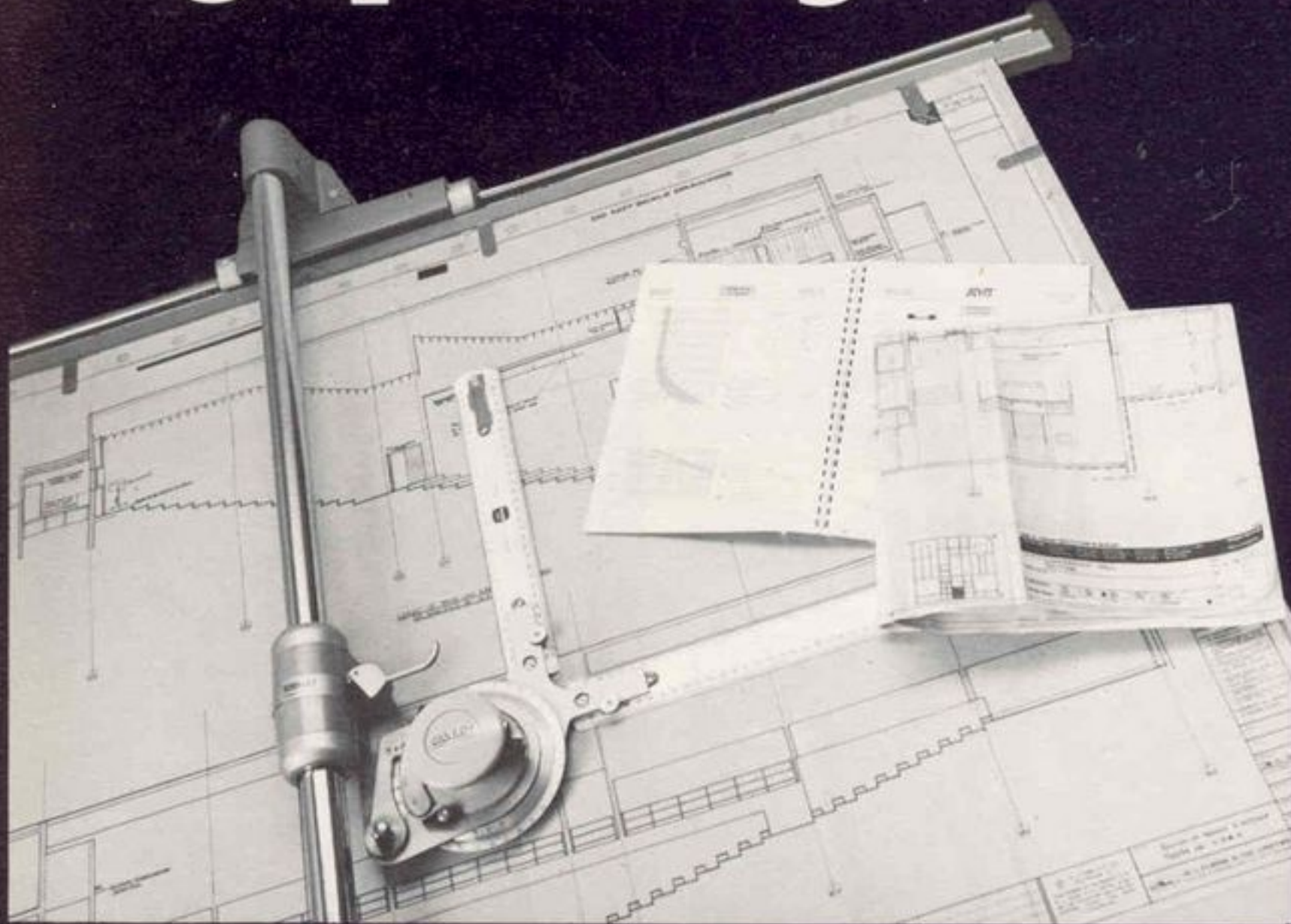
Available in standard lengths or custom made from aluminium extrusion (48mm dia). Integral wiring with socket outlets and connector box included. Right angle corner and 'T' pieces available to form grids over the performance area.



Fixings

Furse offer an extensive range of fixings based on a series of standard components. These give maximum flexibility for any situation. Purpose made brackets or clamps can be fabricated and supplied to order. Full information is available on request.

Stage planning and servicing



Planning

Furse provide a complete planning service, working from either architect's drawings or existing site details. Submitted at the time of quotation, these plans are accompanied by a full explanation of the required equipment, the size and arrangement of curtains to mask the stage area, the necessary electrical wiring and other details.

Correct planning, at the initial stage, will ensure the most cost-effective results in both initial investment and subsequent running costs.

Installation

The cost of installing equipment can be included in initial quotations.

Furse skilled engineers have worldwide experience and are fully equipped to undertake any installation and maintenance work.



Servicing

Under the terms of the International Health & Safety Regulations, it is essential that specialist equipment is regularly serviced and maintained. Particularly when those involved with the operation and handling may be relatively inexperienced.

Special and regular attention must be given to both electrical and mechanical equipment including:—

- Luminaires
- Control systems
- Electrical and mechanical suspensions
- Tracks and curtains
- Stage lifts

Maintenance 'GIVES PROTECTION' and ensures equipment is used in 'SAFETY' and to its maximum designed life.

Furse will undertake a service contract. Full details on request.

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