



SPK 500 Profile/Fresnel Spotlight

UK Patent No. 2037415



Dimensions

N.T.S.

Weight

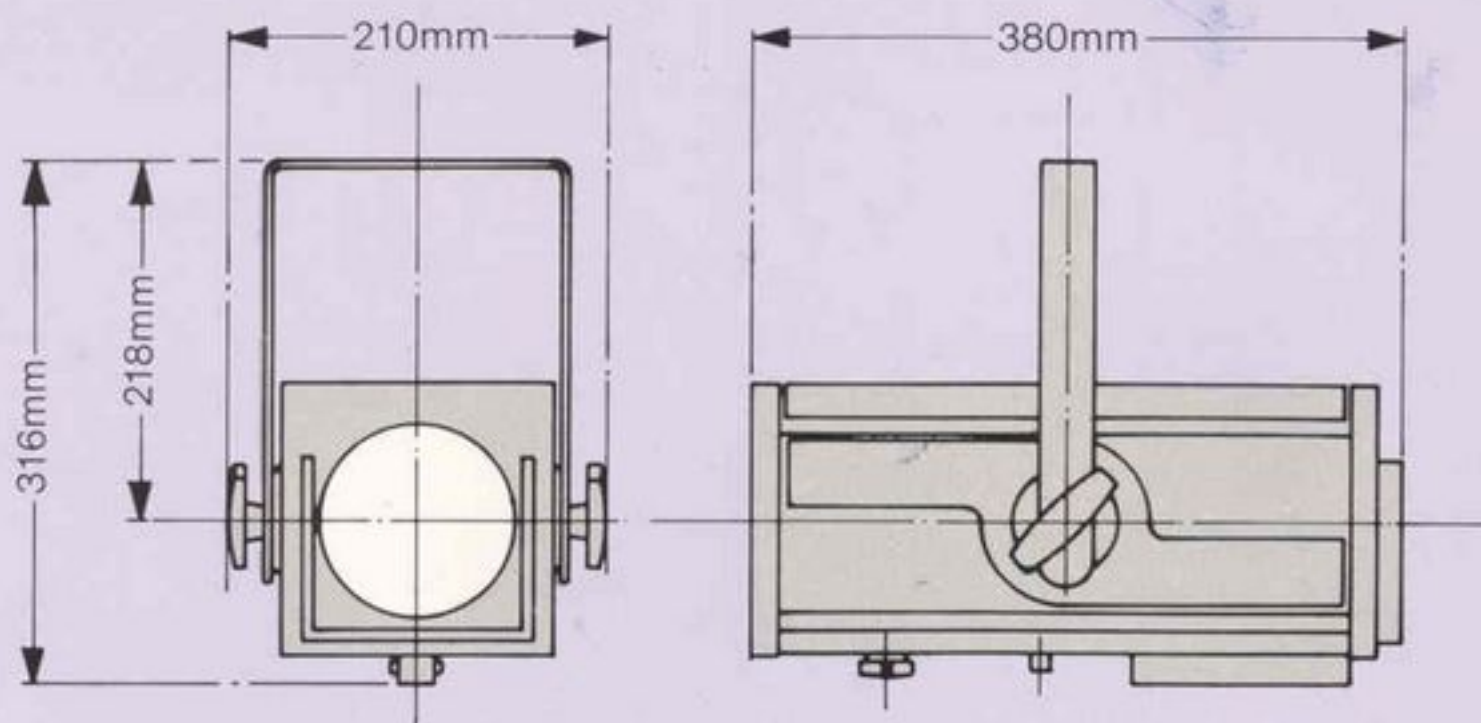
4.5 Kg (exc. lamp)
Carton Size
210 x 220 x 480mm,
0.022m³
Packed Weight
6 Kg (exc. lamp)

Environment Classification

IP 20

Tilt

45° above horizontal to
90° below.



A multi-purpose spotlight designed with an interchangeable optical system to produce both soft and hard edged beams.

Maximum lamp size – 500 watt
Beam angle profile – 17°
Beam angle fresnel – 9° to 27°
Maximum throw – 10m
Single PC 114mm dia. lens
Single fresnel 114mm dia. lens
Light weight robust sheet metal construction.

Colour frame runners allow up to two colour frames to be fitted. One provided as standard with unit. Lamp access by removing top cover.

This spotlight is part of a range of luminaires specifically designed for lighting performance areas.

Accessories

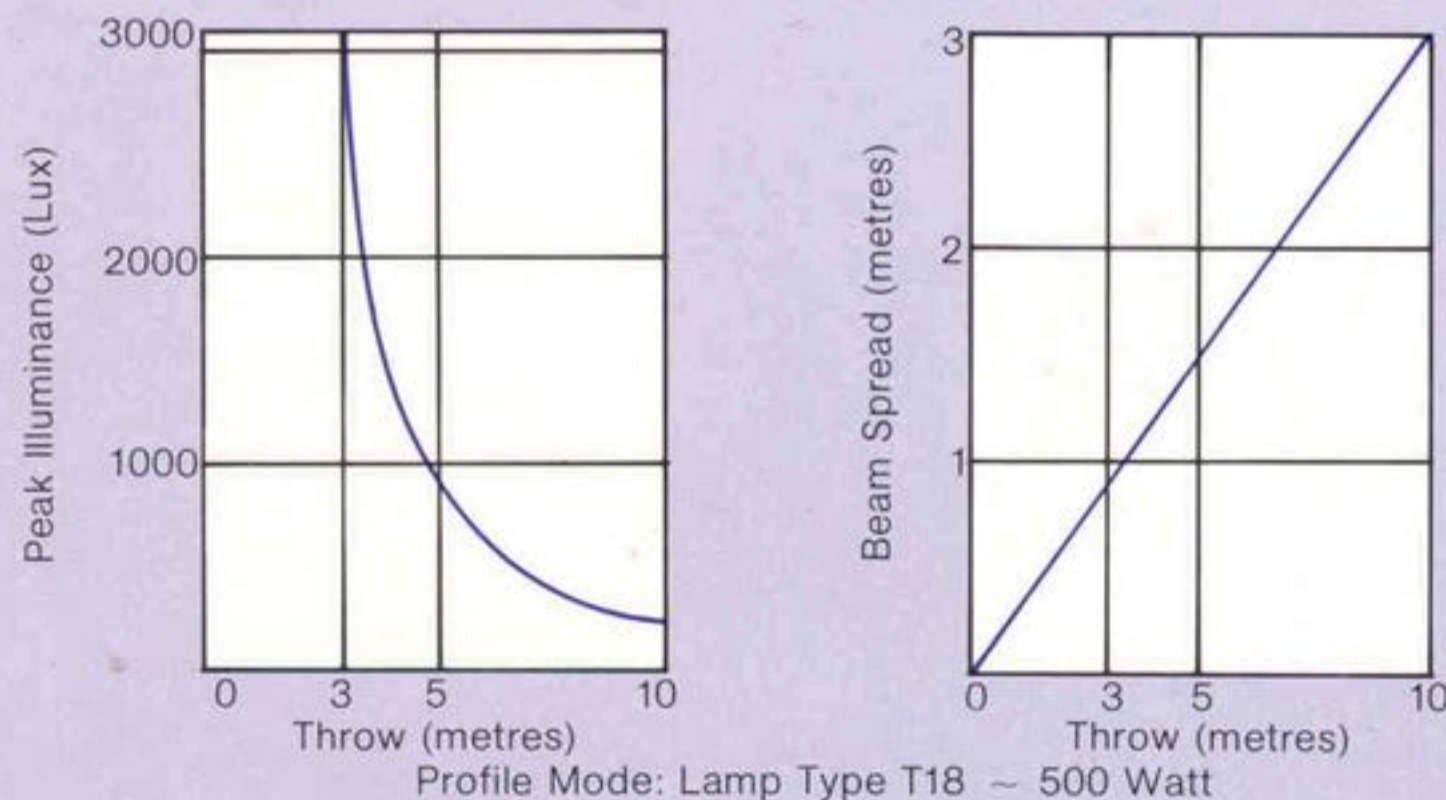
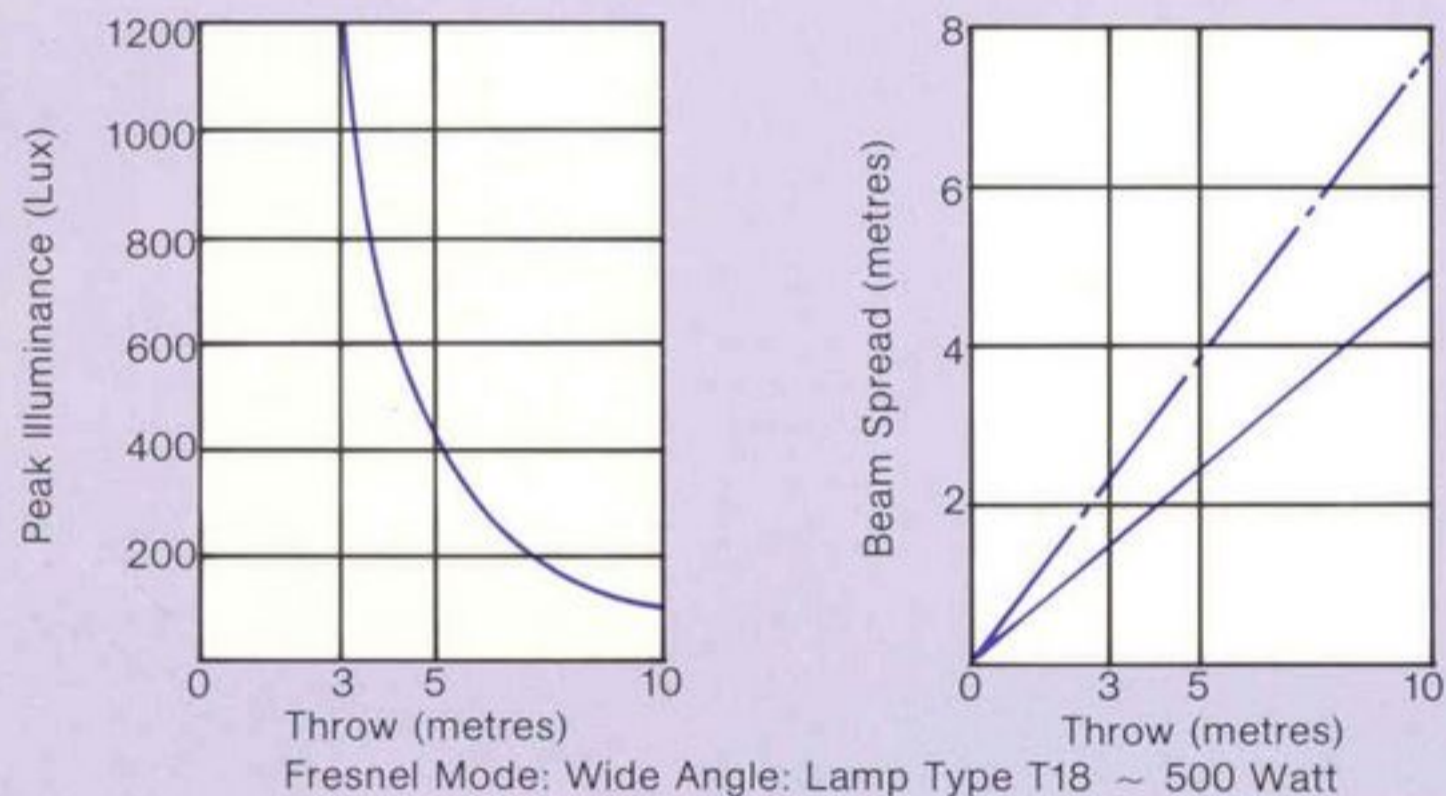
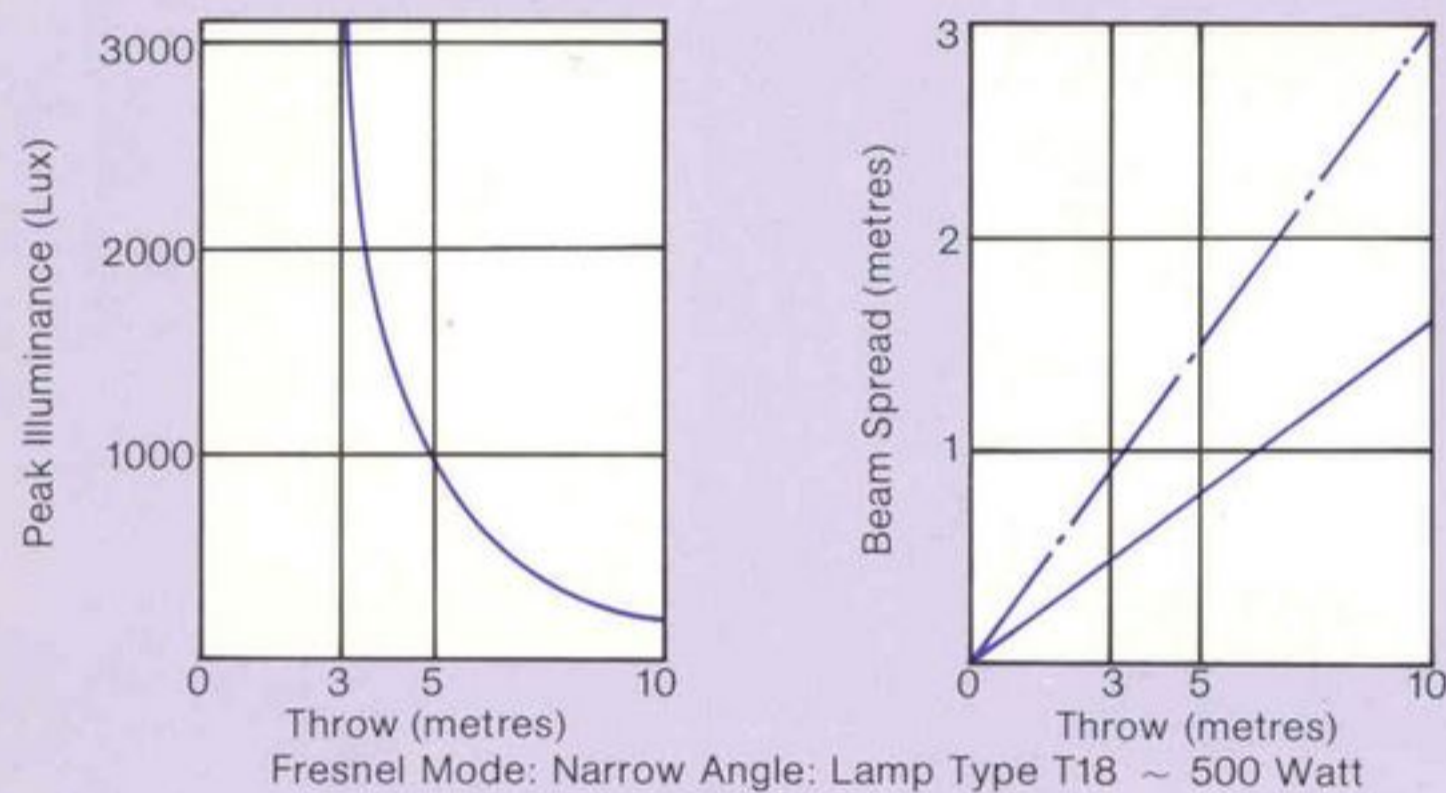
Additional colour frame – CF.SPK
Colour change wheel – SPR.CW
Barn Doors – BD.SPK
Plug Top 5-amp – ET40
Plug Top 15-amp – ET52

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Performance

Lamp Type	T18
Wattage	500
Total Lumens (nominal)	11,000
Rated Life (hours)	300
Peak Illuminance at 5m throw (Lux)	
Fresnel – 9° beam angle	930
Fresnel – 27° beam angle	450
Profile – 17° beam angle	970

Graphs indicate typical performance values



----- Field Angle (10% Peak Lux) Fresnel ~ 17° to 42°
 ————— Beam Angle (50% Peak Lux) Fresnel ~ 9° to 27°
 Profile ~ 17°

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Specification

Body Construction

The luminaire is constructed from steel pressings which are spot welded together to form a rigid body. Adequate ventilation is provided to give a maximum lamp life. An inner lamp house mounted on slide rails and locked in position by means of a knob protruding through the bottom of the unit contains the reflector, lamp holder assembly and aperture plate guides. The top cover of the body is removable, but retained by a safety wire to gain access for changing the lamp or aperture plate.

Trunnion Arm

A steel trunnion arm is fitted with a locking knob to allow controlled tilt. A protractor device is fitted to simplify calibration of angle of tilt. A bolt fastening is provided for suspending the luminaire.

Optical System

The spherical shaped reflector is manufactured from polished anodized aluminium.

Lamp Holder

A GY9.5 lamp holder is fitted to a sliding base within the inner lamphouse, and can be adjusted to match the optical characteristics of the reflector and the lens in use. This is locked in position by means of a heat resisting knob situated under the luminaire body.

Lenses

Two lenses are provided with the unit as standard.

One 114mm dia. plano-convex heat resisting glass.

One 114mm dia. fresnel lens.

Either lens can be mounted in the front of the unit and is held in position by means of a spring locking ring.

Focusing is achieved by adjusting the position of the inner lamphouse.

Aperture Plates

3 aperture plates are provided to give a choice of beam angle when the unit is used as a profile spotlight.

Accessory Attachment

Guides are provided on the front of the unit to accept two colour frames, one of which is supplied as standard with the unit.

Accessories may also be fitted and include barn doors and colour wheels which are available as optional extras.

Electrical Connection

A one metre length of 3 core silicone cable is provided, securely attached on the point of entering to the luminaire by means of a strain relief gland.

Finish

Heat resisting semi matt black.

Suitable Lamps

T18 – 500 watt

Mounting

Safety Chain – RCL.8

Barrel Suspension Clamp – TF.13

Double Swivel Wall Bracket – TF.22

Ceiling Mounting Bracket – TF.17

Heavy Base Telescopic Stand – MTS

Collapsible Telescopic Stand – CTS



W. J. Furse & Co Ltd,
 Theatre Division, Traffic Street
 Nottingham UK. NG2 1NF.
 Tel: 0602 863471 Telex: 377065