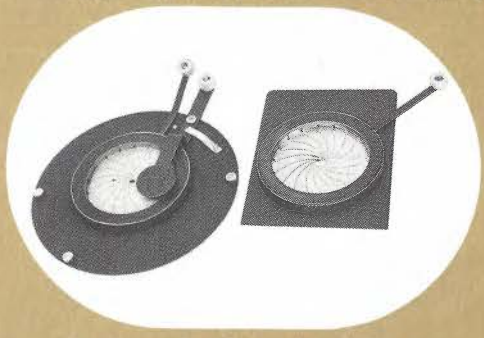
CCT theatre lighting

zoom profile
Silhouette 1000 25
AXIAL

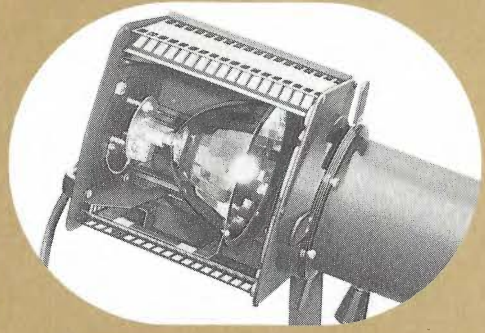
20° ↔ 31°

Axial lamp optical system - Rapid control Peak centre/Flat field.

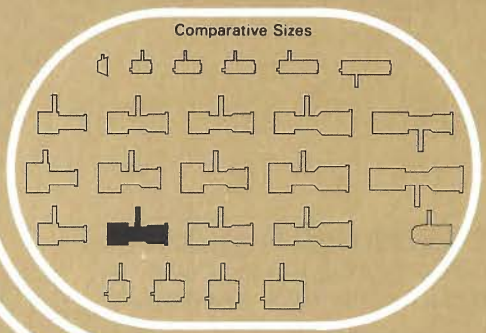
Completely compatible with existing Silhouette lenses and accessories. CCT's new 1000W Axial Optics Silhouette lamphouse is a new design based upon work by CCT for its series of spotlights for the North American market. CCT's Axial Silhouette Profile lamphouse brings 120V efficiencies to 220/240V users and at the same time provides a remarkable range of beam control from centre peak to flat. In the new lamphouse the lamp is aligned on the major axis with the lampholder chassis being located through the backplate. Construction is of aluminium extrusions and castings which with good convection cooling give good thermal control and an acceptable skin temperature.



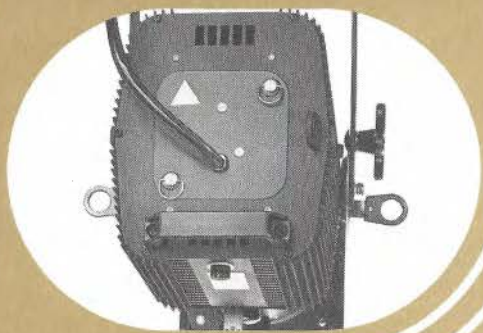
Optional drop-in Iris or Iris/Blackout assembly for follow spot conversion.



Cross section showing lamp position.



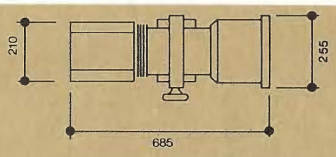
The lamp which passes through a small hole in the rear of the reflector can be externally trimmed to provide fine tuning of the lamp alignment. Peak/Flat adjustment is by moving the reflector with novel slide knob control.

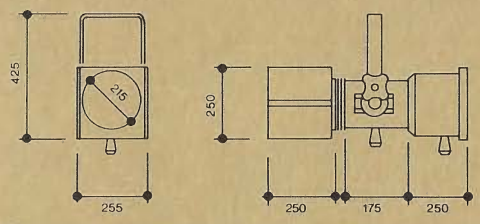


technical data

Order Code
ZOOFR

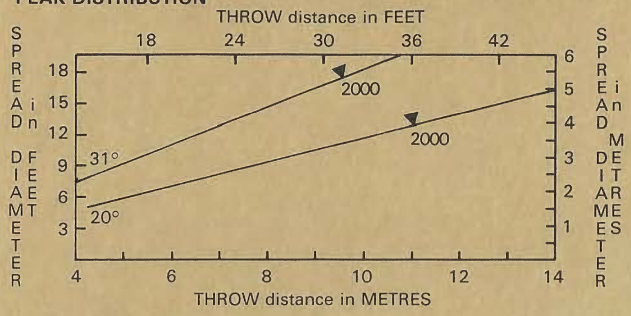
Weight 12.7kg



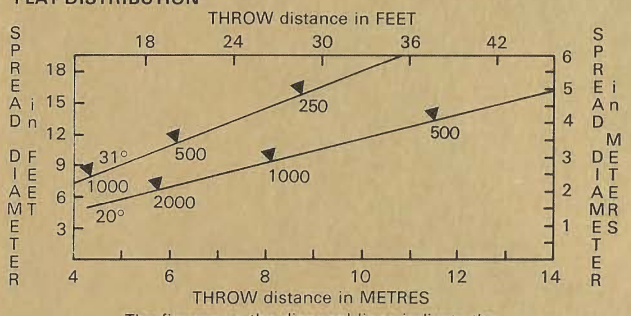


Photometric Data

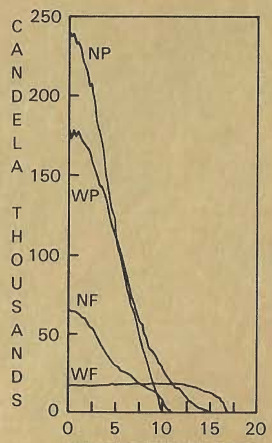
PEAK DISTRIBUTION



FLAT DISTRIBUTION



The figures on the diagonal lines indicate the maximum illumination value in LUX in the beam



Performance based on calibrated 1000W 240V CP77 lamp CC8 filament. 300 HOUR 3200°K 26,500 LUMEN.

HARD EDGE FOCUS

NARROWEST SPREAD:	CUT-OFF angle 20°
PEAK ADJUSTMENT	1/2 peak angle 10° 244,000 peak CANDELAS
FLAT ADJUSTMENT:	1/2 peak angle 9° 66,000 peak CANDELAS
WIDEST SPREAD	CUT-OFF angle 31°
PEAK ADJUSTMENT:	1/2 peak angle 12° 183,000 peak CANDELAS
FLAT ADJUSTMENT:	1/2 peak angle 32° 19,000 peak CANDELAS

Flat adjustment is defined as a 2:1 ratio within the beam.

Specification

Lamphouse shall be constructed in aluminium alloy extrusions finned to ensure maximum heat dissipation formed aluminium sheet and steel. The lampholder shall be mounted on a 'clip-in' lamp tray allowing inspection or change of lamp and cleaning with complete safety. Trimming screws shall be provided to give external control over lamp orientation. Beam 'peak/flat' control shall be by moving the chassis mounted reflector by means of an external heat insulated locking knob. Four individual tempered stainless steel beam shaping shutters shall be provided in a 'stand alone' gate assembly mounted between the lamphouse and lens tube to enable a sharp or soft edged cut-off as required. The gate shall accept drop-in iris or gobo holder. The heat resisting ring handles controlling shutter action shall be within the outer measurement of the lamphouse when fully closed so as to prevent damage in transit. A full width heat insulation handle shall be fitted to the rear of the lamphouse. The yoke shall be in 40mm x 5mm steel tapped for 12mm bolt. It shall be bolted to lamphouse via a heat insulated large diameter knob and friction locking disc forming part of the lamphouse. Yoke mounting system shall provide for alternative mounting on lamphouse or lens tube for balance adjustment when used with other lens tubes and for suspension clamp or stand. The external 1.5m length 3 conductor high temperature cable shall be secured by a compression gland and terminate at an internal porcelain connector. The lens tube shall be in rolled steel bolted to lamphouse gate assembly. Triple aluminium extrusion colour frame runners shall be mounted on the front of the lens tube to accommodate a lens guard and two standard colour filter frames or a remote control semaphore or wheel colour change unit. The entire front colour magazine shall be bolted to the lens tube front and is designed for field adjustment to provide top or side entry of colour frames. Lens control knobs shall be settable for top or bottom operation. The magazine shall have a spring safety retention clip. One folded book form zintec steel frame shall be supplied. There shall be two borosilicate lenses mounted independently in large aluminium castings moving in the tube each controlled and moveable by means of a palm grip heat insulated knob. The rear lens shall be 114mm x 165mm and the front lens shall be 203mm x 330mm. The front lens shall determine the beam angle while the rear lens shall be used to focus the spot to a soft or hard edge. Control knobs shall screw tight to the lens tube to secure the selected focus. A graduated scale shall be located parallel with the lens slide slot enabling settings to be recorded. The luminaire finish shall be electrostatically applied high temperature black epoxy paint with high resistance to chipping and marking.

Accessories

Z0017 Iris/Blackout Assembly
The addition of this assembly between the shutter set and lens tube converts the luminaire into a followspot. The blackout is normally activated automatically by the thumb at the end of the iris travel. Both levers are heat insulated and mounted below the lens housing for easy cool operation.

Z0016	Drop-in Iris
Z0014	Spare book form colour frame for easy waste free filter cutting.
Z0083	Hook Clamp
Z0085	Safety Chain
Z0123	Colorsette Remote Control Change Unit for four colours. See separate Colour Change Brochure.
Z0020	Hand Operated Colour Change Unit Coloursette 6 has a change facility for up to six colours, is easily reversible and can be operated from either side of the spotlight.
Y0058	12mm Spigot
Y7501	Gobo Holder

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