

Cadenza 19/32

2000W Halogen Variable Spread Profile Spot

The medium to wide angle, variable spread Profile Spot for accurate control of beam shape and edges from a variety of relatively short throw distances in large-scale theatres and television studios. The efficient, and flexible 2000W luminaire is ideal for pattern (gobo) projection, and for precisely controlled back and side-lighting.

All Cadenza Profile Spots include a built-in, but easily accessible, 18-leaf iris diaphragm and horizontal gate runners in addition to four beam shaping shutters. Lenses are moved by internal rack and pinion with the operating controls conveniently near the gate plane. The peaky/flat field adjustment at the rear maintains excellent beam qualities throughout the whole range of distribution and beam spread variation.

The Cadenza series are all purpose-designed 2000W luminaires, not adaptations of lower power units, and set completely new standards of construction, user-convenience and safety. Power connection is interlocked with the side-hinged bottom access to the drop-down, but captive, lampholder which allows lamp replacement without upsetting the beam distribution.

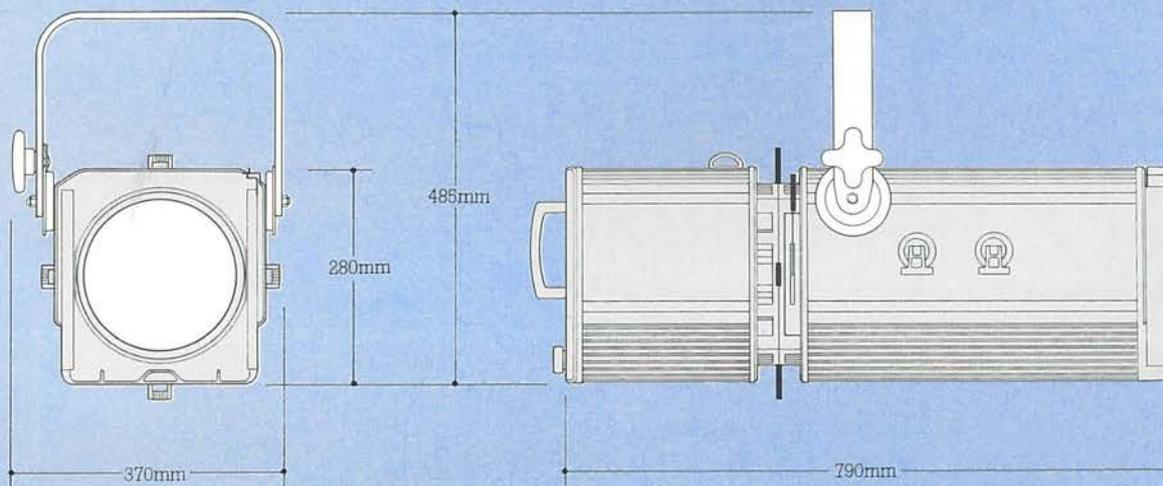
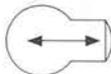
Item Numbers

Cadenza 19/32 variable-spread Profile Spot including RSE/79 2000W lamp and 1.5m power cable (state 240 or 220v, and 15A, Schuko or wire-ended cable)	22 424 03
Additional RSE/79 2000W 240v lamp	34 232 06
Additional RSE/79 2000W 220v lamp	34 232 14
Additional Thorn EMI Class CP/43 2000W 240v lamp	34 224 0T
Additional Thorn EMI Class CP/43 2000W 220v lamp	34 224 18
Additional 1.5m power cable, 15A 3-pin plug top	34 002 01
Additional 1.5m power cable, moulded-on Schuko	34 001 06
Additional 1.5m power cable, wire-ended	34 000 00



Rank Strand

22 424 03



Dimensions

Scale 1:10

Weight

22.2 kg

Carton Size

96 × 47 × 46 cm. 0.21m³
Packed weight 29 kg including lamp
and power cable.

Environment

45°C max ambient, interior use.

Tilt

45° above horizontal to 75° below.

22 424 03

Performance

Typical performance, based upon 2000W 240v, RSE/79 calibrated lamp, C13D biplane filament 400 hour, 3200°K, 52,000 lm

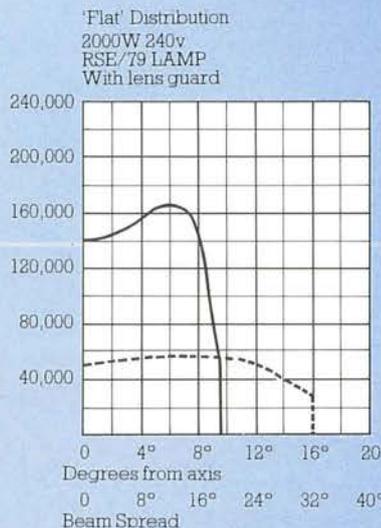
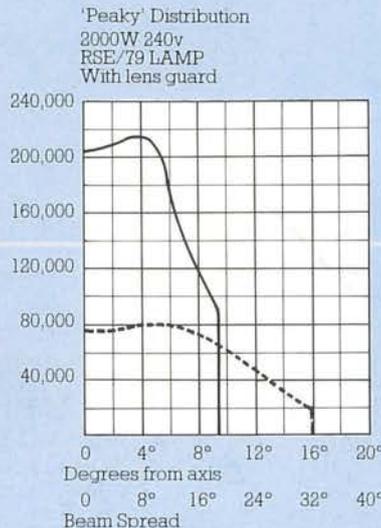
Maximum circle, hard-edge focus
With integral 25mm mesh lens guard.

Narrowest Spread, cut-off angle 19°

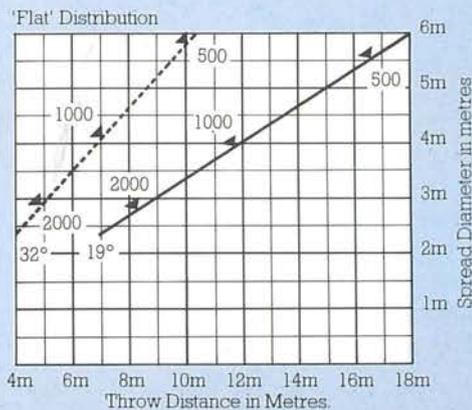
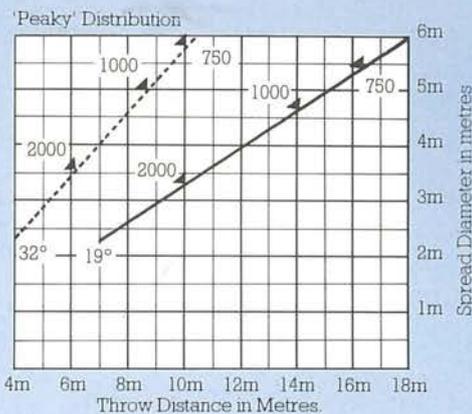
- 'Peaky' adjustment
- ½ peak angle 17°
- 215,000 peak candelas at 4° offset
- 'Flat' adjustment
- ½ peak angle 18°
- 165,000 peak candelas at 6° offset

Widest Spread, cut-off angle 32°

- 'Peaky' adjustment
- ½ peak angle 26°
- 80,000 peak candelas at 5° offset
- 'Flat' adjustment
- ½ peak angle 32°
- 57,000 peak candelas at 9° offset



———— Narrowest
- - - - - Widest



The figures on the diagonal lines indicate the illumination value in lux at beam centre.

The Company reserves the right to make any variation in design or construction to the equipment described.



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Cadenza 19/32

Specification

Housing

Extruded, finned, aluminium sides with gravity die cast aluminium ends and shutter bulkheads joined by machine thread screws to combine extreme robustness and rigidity with minimum weight and maximum heat dissipation. For additional heat dissipation lamp house provided with light baffled ventilation slots. Anchorage provided for safety bond and heat insulated grab handle fitted at rear.

Fork

Aluminium alloy with 90mm dia. friction discs and heat insulated handwheel for tilt lock, changeable to opposite side. Tilt pivot axis adjustable laterally along top or bottom slot in extruded sides. Fork provided with DIN Platte fixing holes, centre threaded and supplied with M.12 bolt, washer and wingnut for compact suspension and swivel lock. Fitted with clip for power cable retention.

Lampholder

GY16 unequal-pin porcelain body with integral heat sink fitted to thumb fastener retained sliding access plate incorporating side to side adjustment for lamp alignment and wired direct to CEE 22 high temperature power connector.

Power Cable

1.5m long, 3 x 1.5mm² conductor toughened silicon rubber cable moulded to mating CEE.22 angled power socket. Other end of cable moulded to 15A 3-pin or Schuko plugtop, or open wire-ends (specify).

Internal Access

Thumb fastener secured, side hinged lampray provides access to slide down lampholder assembly for convenient lamp replacement. Lampray is interlocked with power connector to provide maximum safety.

Reflector

180mm diameter ellipsoidal reflector of anodised aluminium.

Gate Assembly

Four removable beam shaping shutters of heat resistant steel alloy with non-reflective finish and ergonomically designed heat insulated handles, removable 18-leaf iris and horizontal runners for pattern (gobo) holder all held in multi-finned aluminium die castings for precision and heat dissipation. Pattern (gobo) runners provided with safety retention catch.

Lenses

200mm and 120mm dia. plano-convex lenses of borosilicate glass. Lenses supported on full circumference by carriers which slide smoothly on a bearing rod and support rod. Carriers driven by internal rack and pinion gearing through external rotary controls which provide lens position indication and cam-lock of the movement through hinging toggle action of operating handles. Easy access to all surfaces of lenses for cleaning through sliding, but captive, top panels. A 25mm mesh wire lens guard is fitted to front casting for safety.

Distribution Adjustment

Movement of lampholder relative to reflector for 'peaky' to 'flat' field by rear mounted rotary knob driving fine pitch lead-screw.

Colour Runners

Aluminium extrusions, with spring safety clip, providing double runners. One 245mm square DIN size colour frame with circular aperture for thin-film 'Chromoid' colour filters.

Finish

High temperature stoved, black epoxy powder coated.

Lamps

2000W GY16 base 70mm l.c.l. with 40mm max. dia. quartz envelope. Supplied with 2000W RSE/79 240v or 220v lamp. Similar, but not identical 2000W Thorn EMI Class CP/43 lamps are also suitable.

Accessories

Pattern (gobo) Holder	23 864 07
Additional 245mm ² Colour Frame	27 264 05
Semaphore Colour Change, 24v	23 881 05
TV Spigot, M.12 Stem	26 860 04
Cranked Fork	26 858 00

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