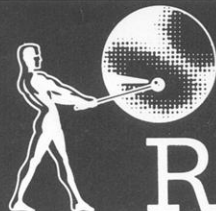


# Prelude 16/30

500/650W

Variable Spread  
Profile Spot



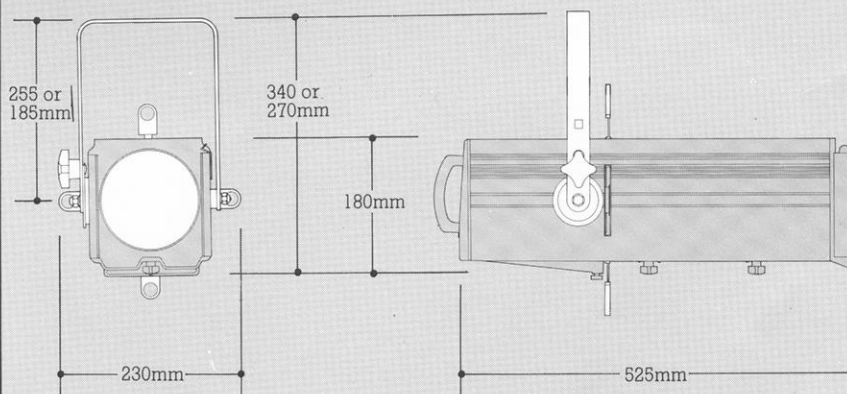
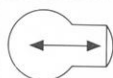
# Rank Strand

22 402 08

Variable-spread 500/650W Profile Spot with the flexibility of a narrow 16° to a wide 30° maximum beam spread useful for throw distances from as far as 13m to as little as 5 metres. Beam shape is adjusted by the four built-in shutters, beam spread by the relative positions of the two independently moved lenses, and the distribution of light output within the chosen beam is determined by the peaky/flat adjustment knob recessed within the bottom die-casting. Gate runners are provided for the addition of a pattern (gobo) holder or for a drop-in iris diaphragm accessory for even smaller circular beams.

The Prelude 16/30 has a strong, yet lightweight, fully integrated housing of finned extruded sides and interlocking pressure die-castings and is fitted with a rear, grab handle. The alloy fork is adjustable in height, and also laterally.

All the Prelude series embody new safety features including separable power connector which has to be withdrawn before hinged internal access can be gained, also a safety bond anchorage on the housing and a sprung safety clip over the colour frame runners.



## Order Codes

Prelude 16/30 Variable Spread Profile Spot including RSE/18 500W lamp and 1.5m power cable (state 240 or 220v, and 15A, Schuko, or wire-ended cable)	22 402 08
Additional RSE/18 500W 240v lamp	34 218 12
Additional RSE/18 500W 220v lamp	34 218 20
Additional Class T/26 650W 240v lamp	34 231 00
Additional Class T/26 650W 220v lamp	34 231 19
Additional 1.5m power cable, 15A 3-pin	35 002 01
Additional 1.5m power cable, Schuko	35 001 06
Additional 1.5m power cable, wire-ended	35 000 00

## Dimensions

Scale 1:10

## Weight

6.5 kg  
Carton Size 71.5×31.5×30cm, 0.068m<sup>3</sup>  
Packed weight 7.7 kg including lamp and power cable

## Environment

IP 21 classification

## Tilt

45° above horizontal to 90° below (vertical)

**Performance**

Typical performance, based upon 500W 240v RSE/18 calibrated lamp, C13 filament, 500 hour, 3000°K, 11,000 lm and 650W 240v Class T/26 calibrated lamp, C13 filament, 400 hour, 3000°K, 15,000 lm.

Maximum circle, hard-edge focus

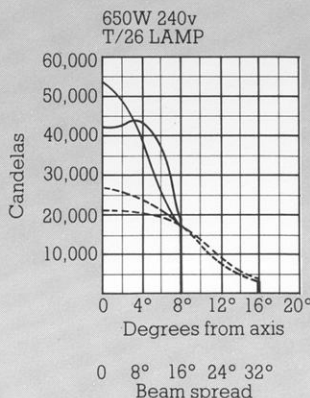
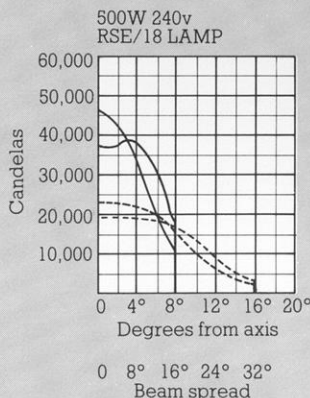
Narrowest spread, cut-off angle 16°

'Peaky' adjustment  
 ½ peak angle 11°,  
 46,000 (54,000\*) peak candelas  
 'Flat' adjustment  
 ½ peak angle 15°,  
 39,000 (44,000\*) peak candelas

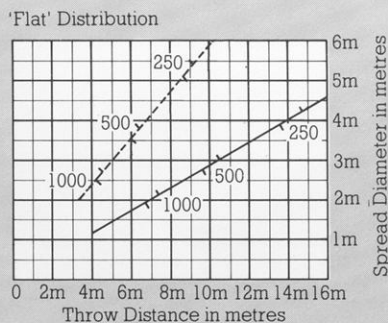
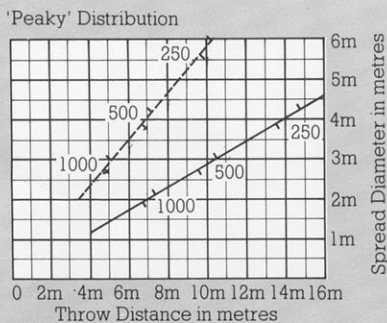
Widest spread, cut-off angle 32°

'Peaky' adjustment  
 ½ peak angle 19°,  
 23,000 (26,500\*) peak candelas  
 'Flat' adjustment  
 ½ peak angle 22.5°,  
 18,000 (20,500\*) peak candelas

\*figures for Class T/26 lamp



— 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.



# Rank Strand Prelude 16/30

## Specification

### Housing

Extruded finned aluminium sides and interlocking pressure die-cast ends and hinged lampray, joined by machine thread screws, combining strength and rigidity with minimum weight but maximum heat dissipation, assisted by convection ventilation. Anchorage provided for safety bond. Heat insulated grab handle fitted to rear.

### Fork

Aluminium alloy, reversible with 70mm dia. friction disc and heat-insulated handwheel for tilt lock. Alternative, shorter tilt pivot axis provided and pivot axis adjustable laterally between rear and gate plane. Fork threaded and supplied with M.10 bolt, washer and wingnut for compact suspension and swivel lock. Fitted with clip for power cable retention.

### Lampholder

GY9.5 unequal-pin porcelain body, wired direct to CEE.22 high temperature power connector.

### Power Cable

1.5m long, 3 x 1.5mm<sup>2</sup> 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

Bottom rear-hinged lampray secured by single thumb fastener but, for maximum safety, internal access prevented mechanically until power socket disconnected.

### Reflector

110mm dia. near-ellipsoidal reflector of anodised aluminium.

### Gate Assembly

Four steel alloy beam shaping shutters with non-reflective finish and heat-insulated ring-type knobs. Gate runners, with lead-in extended to top access, for drop-in iris diaphragm or pattern (gobo) holder accessories. Shutter blades assembled to a pressure die-casting for heat dissipation; blades can be replaced, if damaged, without the use of tools.

### Lenses

Variable-spread combination of 120mm dia. front lens, and 100mm dia. rear, plano-convex lenses of polished borosilicate glass. Separate internal sliding lens carriers support the full circumference of each lens. The two lens carriers moved and locked independently in a fully baffled slot by heat-insulated fingertip knobs.

### Distribution Adjustment

Movement of lampholder relative to reflector for 'peaky' to 'flat' field by heat-insulated fingertip knob fully recessed in bottom lampray casting.

### Colour Runners

Aluminium extrusions, with spring safety clip, providing double runners, plus guide for optional 25mm mesh lens guard. One 150mm square colour frame with circular aperture supplied for thin-film 'Chromoid' or 'Cinemoid' sheet colour filter.

### Finish

High temperature stoved black.

### Lamps

650W max. GY9.5 base, 46.5mm l.c.l. with 25mm max. dia. quartz envelope. Supplied with RSE/18 240v or 220v lamp. For special applications different, but interchangeable lamps can be purchased.

### Accessories

Lens Guard, 25mm mesh	27 228 08
12-leaf Iris Diaphragm	23 775 21
Pattern (gobo) Holder	23 865 02
Additional 150mm <sup>2</sup> Colour Frame	27 260 03
Colour Change Wheel, 24v	23 868 09

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