

Prelude 40

500/650W Halogen Wide Angle Profile Spot



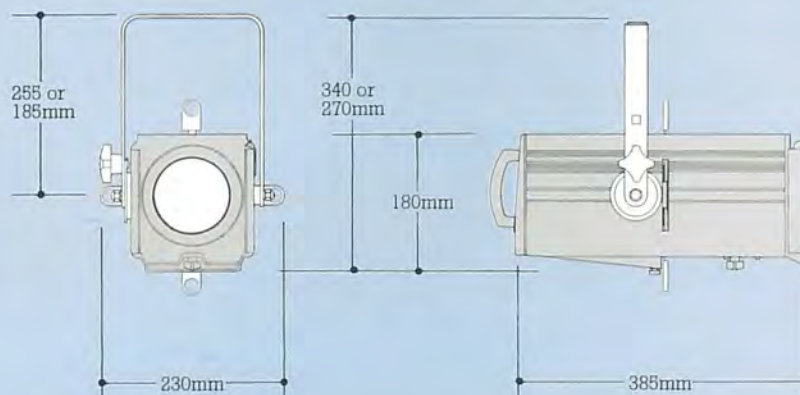
Rank Strand

22 406 0T

The 500/650W wide angle Profile Spot for precise beam shaping by four built-in shutters, or for pattern (gobo) projection, all from short range. Maximum spread is a wide 40° suitable for a 3 to 6m throw and therefore the Prelude 40 is the ideal unit for use over stage, or for open stages where throw distances are often short but the need for accurate beam shaping and beam edge control is at its greatest. In addition to the beam shaping shutters, gate runners are provided for the addition of a pattern (gobo) holder or drop-in iris diaphragm.

The Prelude 40 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All the Prelude series embody new safety features including separable power connector which has to be withdrawn before hinged internal access can be gained, also a safety bond anchorage on the housing and a sprung safety clip over the colour frame runners.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 40 Wide Angle Profile Spot including RSE/18 500W lamp and 1.5m power cable (state 240 or 220v, and 15A, Schuko, or wire-ended cable)	22 406 0T
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

5.4 kg
Carton Size 56×31.5×30cm, 0.053m³
Packed weight 6.6 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, cut-off angle 40°

'Peak' adjustment

½ peak angle 23°,

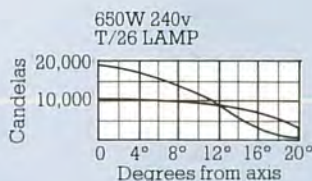
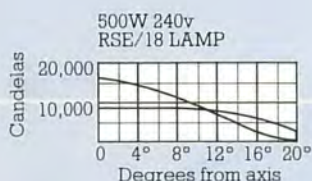
16,000 (18,000)* peak candelas

'Flat' adjustment

½ peak angle 37°,

8,250 (10,000)* peak candelas

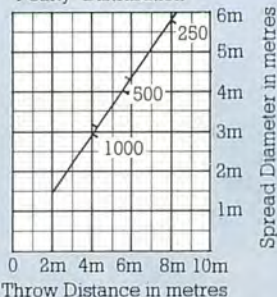
*figures for Class T/26 lamp



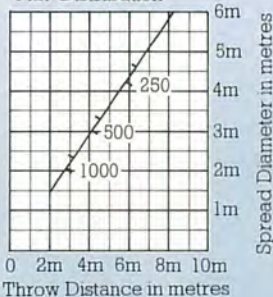
0 8° 16° 24° 32° 40°
Beam spread

0 8° 16° 24° 32° 40°
Beam spread

'Peak' Distribution



'Flat' Distribution



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 40

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 1.5mm² 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

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

Doublet of two 100mm dia. plano-convex lenses of polished borosilicate glass in an internal, twin lens carrier supporting the full circumference of both lenses. Lens carrier moved and locked in a fully baffled slot by a heat-insulated fingertip knob.

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 ² Colour Frame	27 260 03
Colour Change Wheel, 24v	23 868 09

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