

Harmony 15/28

1000W Halogen Variable Spread Profile Spot



Rank Strand

22 412 05

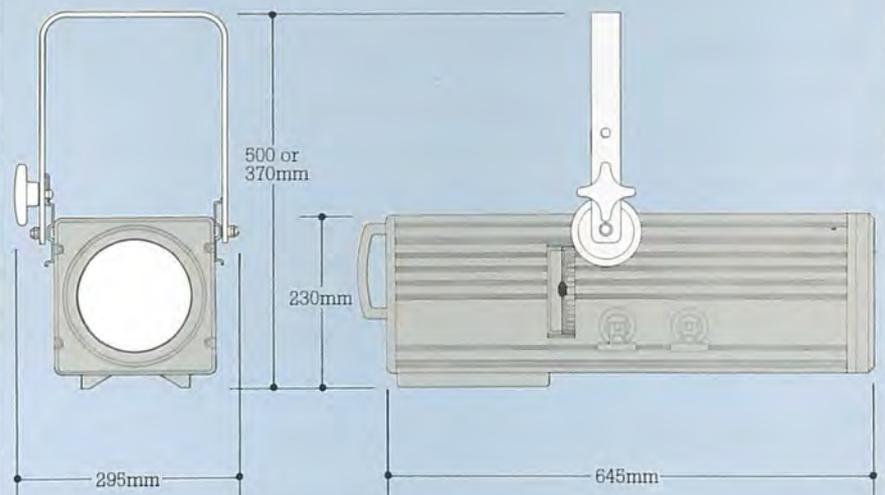
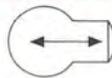
The new 1000W narrow 15° to medium wide 28° variable spread Profile Spot which provides the flexibility and the light output to complement throw distances between 6 and 17 metres. The beam can be accurately shaped by the four beam shaping shutters.

The two internal lenses are moved independently by unique, scaled rotary controls adjacent to the gate plane which includes four beam shaping shutters and gate runners, with top-access lead-in, for addition of an iris diaphragm or pattern (gobo) holder.

This luminaire, together with others in the Harmony series, has a fully integrated housing of finned, extruded sides and interlocking pressure die-castings including internal colour runners. Access to all lens surfaces is possible through sliding, but captive, panels. Rear grab handle is fitted as standard.

The alloy fork is adjustable in height and also adjustable throughout the whole length.

The Harmony series embody new safety features, but in such a way that these do not inhibit practicability. These include a power connector which automatically separates when the rear-hinged, full width internal access is opened, a safety bond anchorage on the housing, sprung safety clips over both the colour frame and the gate runners, and an integral 25mm mesh lens guard.



Order Codes

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Harmony 15/28 Variable Spread Profile Spot including RSE/19 1000W 240v lamp, or RSE/70 1000W 220v lamp and 1.5m power cable (state 240 or 220v, and 15A, Schuko, or wire-ended cable) | 22 412 05 |
| Additional RSE/19 1000W 240v lamp | 34 219 0T |
| Additional RSE/19 1000W 220v lamp | 34 219 18 |
| Additional RSE/70 1000W 240v lamp | 34 222 09 |
| Additional RSE/70 1000W 220v lamp | 34 222 17 |
| Additional Class T/11 1000W 240v lamp | 34 206 14 |
| 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

11.7 kg
Carton Size 81 × 38 × 43cm, 0.13m³
Packed weight 13.1 kg including lamp and power cable

Environment

IP.21 classification

Tilt

45° above horizontal to 90° below (vertical)

Performance

Typical performance, based upon 1000W 240v RSE/19 calibrated lamp, C13D biplane filament, 750 hour, 3000°K, 21,000 lm and 1000W 220v RSE/70 calibrated lamp, C13D biplane filament, 200 hour, 3200°K, 25,000 lm.

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

Narrowest spread, cut-off angle 15°

'Peaky' adjustment

½ peak angle 9°

136,000 (147,000*) peak candelas

'Flat' adjustment

½ peak angle 12.5°

100,000 (106,000*) peak candelas

Widest spread, cut-off angle 28°

'Peaky adjustment'

½ peak angle 10.5°

103,000 (125,000*) peak candelas

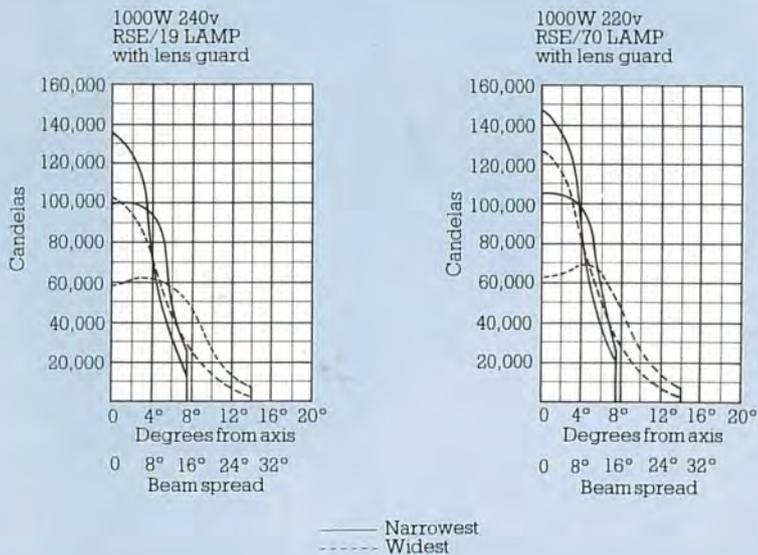
'Flat' adjustment

½ peak angle 19°

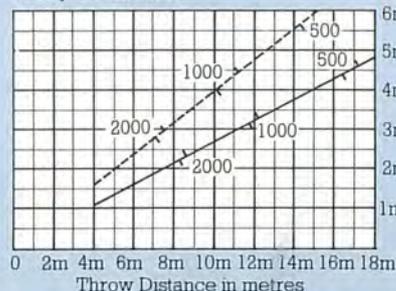
63,000 (67,500*) peak candelas

59,000 (62,000*) axial candelas

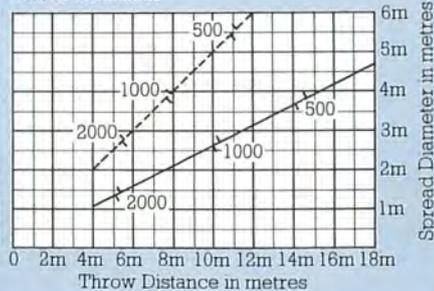
*figures for RSE/70 lamp



'Peaky' 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 Harmony 15/28

Specification**Housing**

Extruded finned aluminium sides, and lampholder hinge with interlocking pressure die-cast ends and internal colour runners, joined by machine thread screws, combining strength and rigidity with minimum weight but maximum heat dissipation. Lamphouse also with fully baffled multiple slots for additional convection ventilation. Anchorage provided for safety bond. Heat-insulated grab handle fitted to rear.

Fork

Aluminium alloy, reversible with 90mm dia. friction discs and heat-insulated handwheel for tilt lock, changeable to opposite side. Alternative shorter tilt pivot axis provided and tilt pivot axis adjustable laterally along top, or bottom, of the extruded sides. Fork provided with DIN Platte fixing holes; centre threaded and supplied with M.10 bolt, washer and wingnut for compact suspension and swivel lock. Fitted with clip for power cable retention.

Lampholder

GX9.5 2-pin porcelain body with integral heat-sink fitted to extruded lampholder slide 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

Rear-hinged lamphouse secured by single thumb fastener but, for maximum safety, power socket automatically disconnected before opening.

Reflector

150mm dia. near-ellipsoidal reflector of anodised aluminium.

Gate Assembly

Four steel alloy beam-shaping shutters with non-reflective finish and heat-insulated, serrated-edge knobs. Shutter blades and gate runners, with lead-in extended to top access, assembled in multi-finned pressure die-castings for heat dissipation. Gate runners provided with sprung safety catch for drop-in iris diaphragm or pattern (gobo) holder accessories.

Lenses

Variable-spread combination of 150mm dia. front, and 120mm dia. rear, plano-convex lens of borosilicate glass. Separate lens carriers support the full circumference of each lens and slide smoothly along a bearing rod and an extruded internal guide. Lenses moved by internal rack and pinion gearing with external rotary controls each with a hinged toggle incorporating a positive cam-lock and a scale. Easy access to all lens surfaces through sliding, but captive, top panels.

Distribution Adjustment

Movement of lampholder relative to reflector for 'peaky' to 'flat' field by heat-insulated finger-grip knob fully recessed in lamphouse assembly.

Colour Runners

Pressure die-cast double runners, with spring safety clip, incorporated within front castings together with internal 25mm mesh lens guard. One 185mm square DIN-size colour frame with circular aperture supplied for thin-film 'Chromoid' colour filters or for non-saturated colours of 'Cinemoid' sheet. Front casting also has thread-inserts for add-on colour change accessories.

Finish

High temperature stoved black.

Lamps

1000W max. GX9.5 base, 55mm l.c.l. with 40mm max. dia. quartz envelope. Supplied with 240v RSE/19 or 220v RSE/70 lamp. For special applications different, but interchangeable lamps can be purchased.

Accessories

| | |
|--------------------------------------------|-----------|
| 12-leaf Iris Diaphragm | 23 775 21 |
| Pattern (gobo) Holder | 23 865 02 |
| Additional 185mm ² Colour Frame | 27 262 04 |
| Colour Change Wheel, 24v | 23 868 09 |
| Semaphore Colour Change, 24v | 23 781 00 |

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