



SHAKESPEARE SERIES

6 0 0

ALTMAN

THE QUALITY OF LIGHT

SPECIFICATIONS

Mechanical

- Lamphousing : die cast aluminum
- Zoom lens barrel : die cast aluminum
- Fixed lens barrel : die cast aluminum
- Finish : electrostatic black epoxy powder paint
- Yoke : 0.187" x 1.25" strap steel with two positions
- Shutters : 20 guage stainless steel
- Focus control knobs : high impact nylon

Electrical

- Socket : Med two pin G9.5 with gold plated terminals
- Internal wiring : 250°C teflon
- Cable : 3 wire teflon leads in 3' fiberglass sleeving
- Ratings : 120v - 240v

Optical

- Lenses : antireflective coated glass
- Reflector : Microdyn™ heat transferring coating on a metal substrate

Accessories

Fixed Focus Units:

- 4.55N - Snoot
- 4.5CF - Color frame
- 360QPH - Pattern holder
- SC - Safety cable
- 510 - Pipe clamp

Lens Barrel Assemblies:

- S620B - 20° Lens Barrel
- S630B - 30° Lens Barrel
- S640B - 40° Lens Barrel

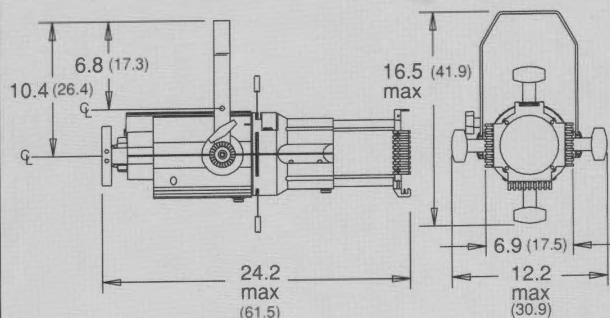
Zoom Units:

- 6SN - Snoot
- 6CF - Color frame

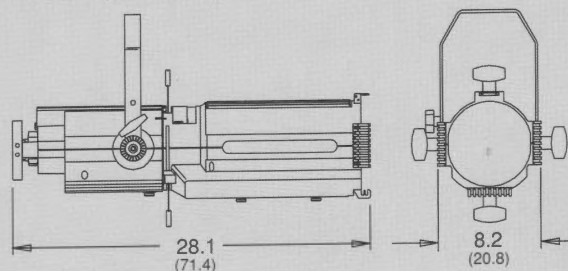
Lamp Substitution:

- EHG 750 watt 120v
- EHD 500 watt 120v

Overall Dimensions



Fixed Focus Units



10° Fixed / Zoom units

Dimensions in inches (cm)

Optical Data Guide

Catalog #	S650	S640	S630	S620	S610	S61530	S62040
Nominal Field Angle	50°	40°	30°	20°	10°	Zoom 15°-30°	Zoom 20°-40°
Actual Field Angle	52°	37°	28°	20°			
Flat Field Beam Angle	31°	22°	15°	13°			
Peak Field Beam Angle	23°	17°	14°	12°			
Flat Field Candela	28,000	58,500	98,000	152,500			
Peak Field Candela	52,000	109,000	168,000	187,500			
Flat Field Beam Lumens	8,331	8,566	8,337	7,425			
Peak Field Beam Lumens	10,252	9,472	8,938	7530			
Flat Field Efficiency %	50.1	51.9	50.5	45.3			
Peak Field Efficiency %	62.1	57.4	54.2	45.6			
Multiplier For Field Diameter	0.97	0.67	0.5	0.35			

Call For Information

Photometric data measured with a calibrated Minolta cosine corrected illuminance meter

Calculations based on Thorn®GE HX600\115v lamp (16,500 Lumens)

To achieve field diameter at any distance, multiply throw distance by multiplier indicated in the base row of the chart.

(Specifications subject to change)

Worldwide Patents Pending

ALTMAN
THE QUALITY OF LIGHT

ALTMAN STAGE LIGHTING CO.
57 Alexander Street, Yonkers, N.Y. 10701
Phone (914) 476 7987 Or (212) 569 7777

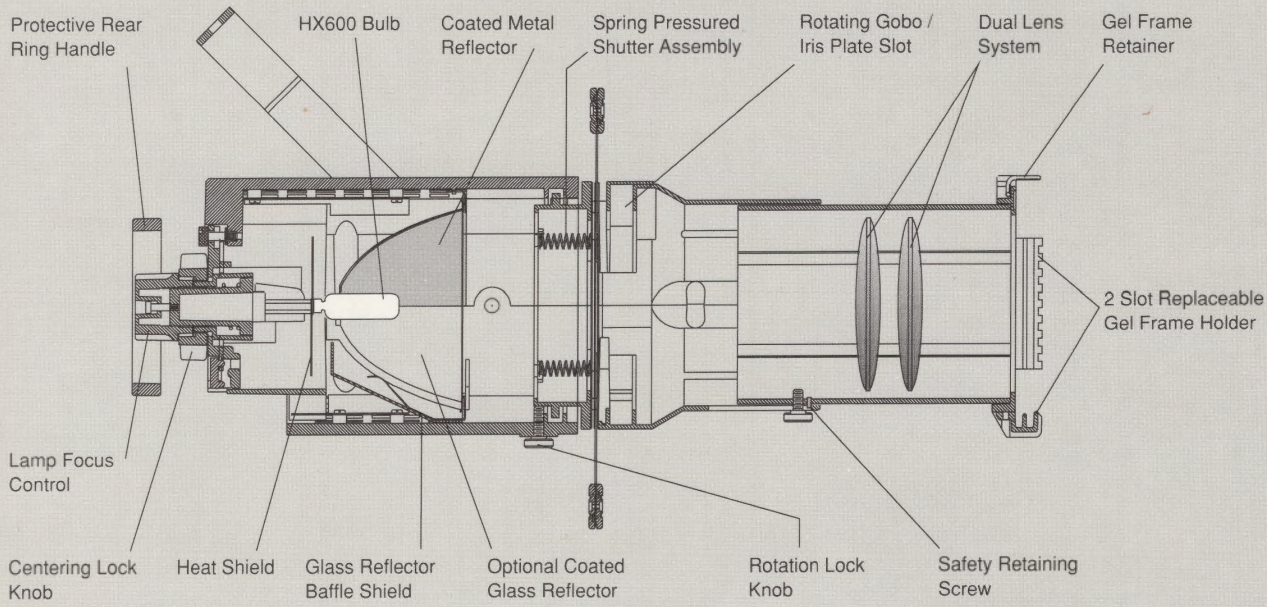
20°

40°

30°

50°

30°



FIXED FOCUS UNITS

SERIES 600 FEATURES

GENERAL

- 180° indexed rotation of shutter center
- Easily interchangeable lens barrel
- Double yoke positioning
- Accepts drop in iris or rotating gobo with retractable cover
- Self aligning focus cap
- Replacable 6.25" gel frame holder with two accessory slots
- Maximum heat dissipation at rear of fixture
- Multi-position yoke with indexed locking dog
- Positive locking lamp focus adjustment
- Independent lamp adjustment controls
- Low friction barrel and rotation glides
- Removable shutters with thermally insulated handles
- Tool free lamp replacement
- Rear handle also acts as cord wrap and stand
- U.L. listing pending
- Integral power cord clamp
- Sharp, full field pattern focus with no heat distortion of pattern
- Clam shell lamp base, heat shield for full lamp life
- Lamp focus for peak intensity and flat field
- Quick release gel frame retaining latch

HX600 LAMP

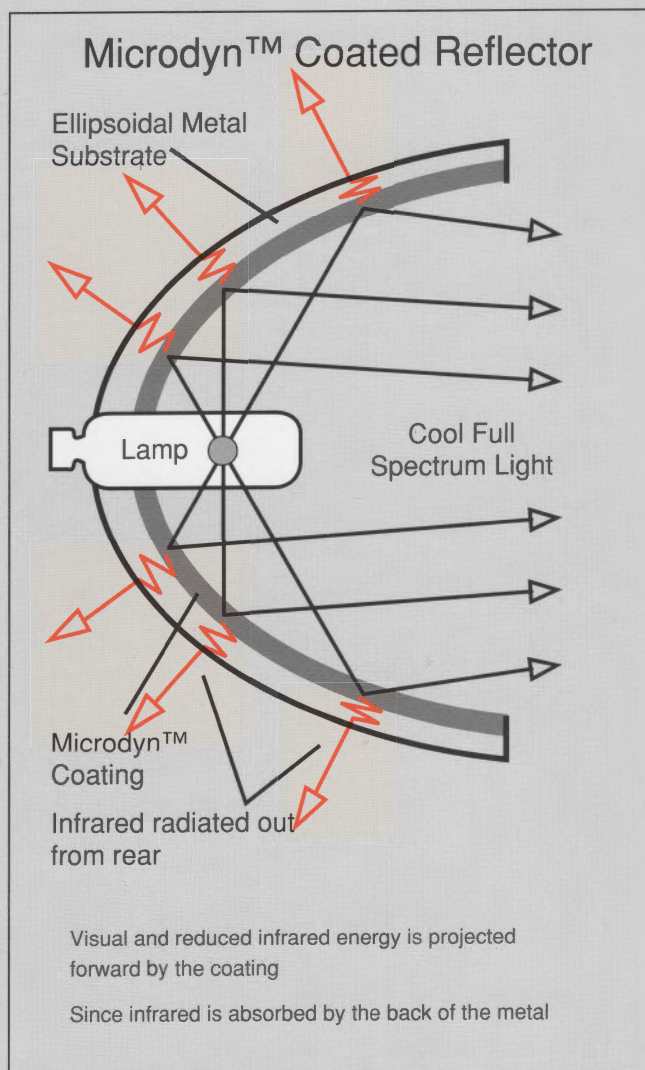
- 600 watt compact coil filament lamp with the equivalent light output of a 1000w FEL lamp
- Standard G9.5 base configuration
- Lamp rating :115v 600 watt 300 hr.
- Non proprietary lamp is available through GE/Thorn distributing network.

CONSTRUCTION

- Lightweight rugged die cast housings
- Extruded aluminum lens barrels
- Low friction barrel and rotation glides
- Durable electrostatic powdercoat finish

MICRODYN™ COATED METAL REFLECTOR

- Dichroic coated surface transfers heat and directs it away from the light path resulting in a cooler focused light beam
- Zero light leak through the reflector
- Lightweight durable properties
- Optional dichroic coated glass reflector available



SAFETY

- Locking screw to prevent over-rotation of front section
- Lens barrels are retained by secondary screw to prevent accidental removal
- Fully captured rotating section cannot be removed without

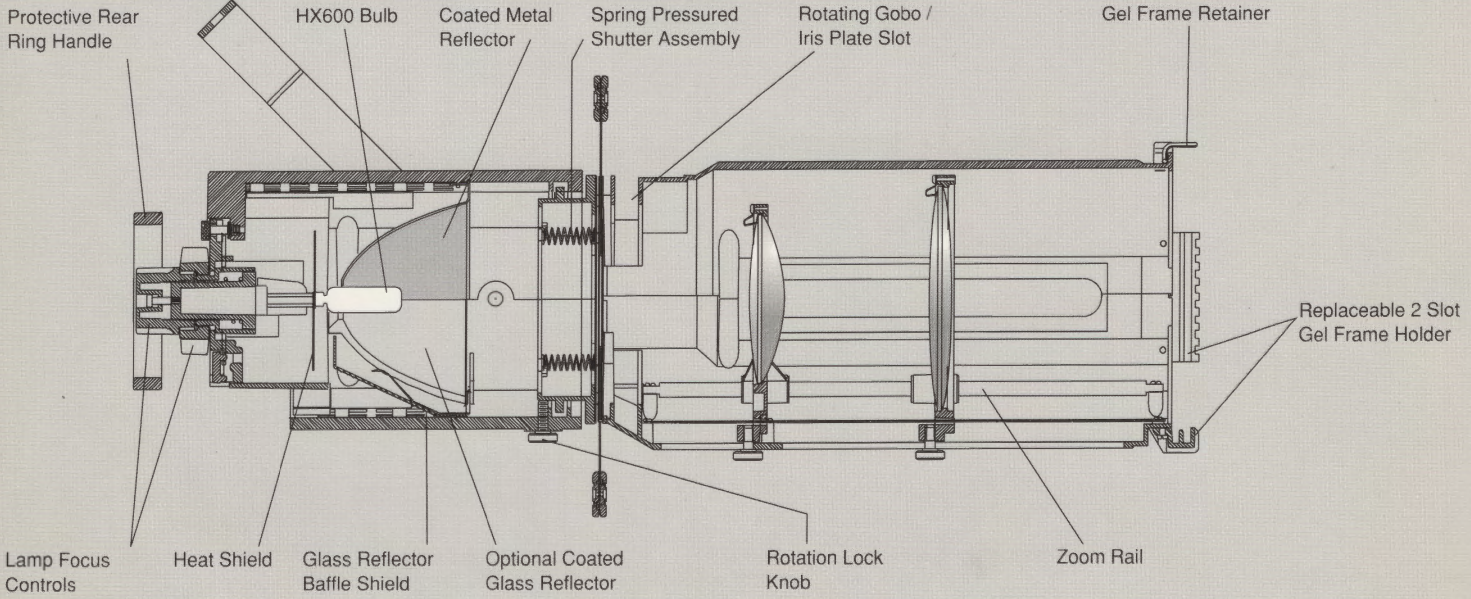
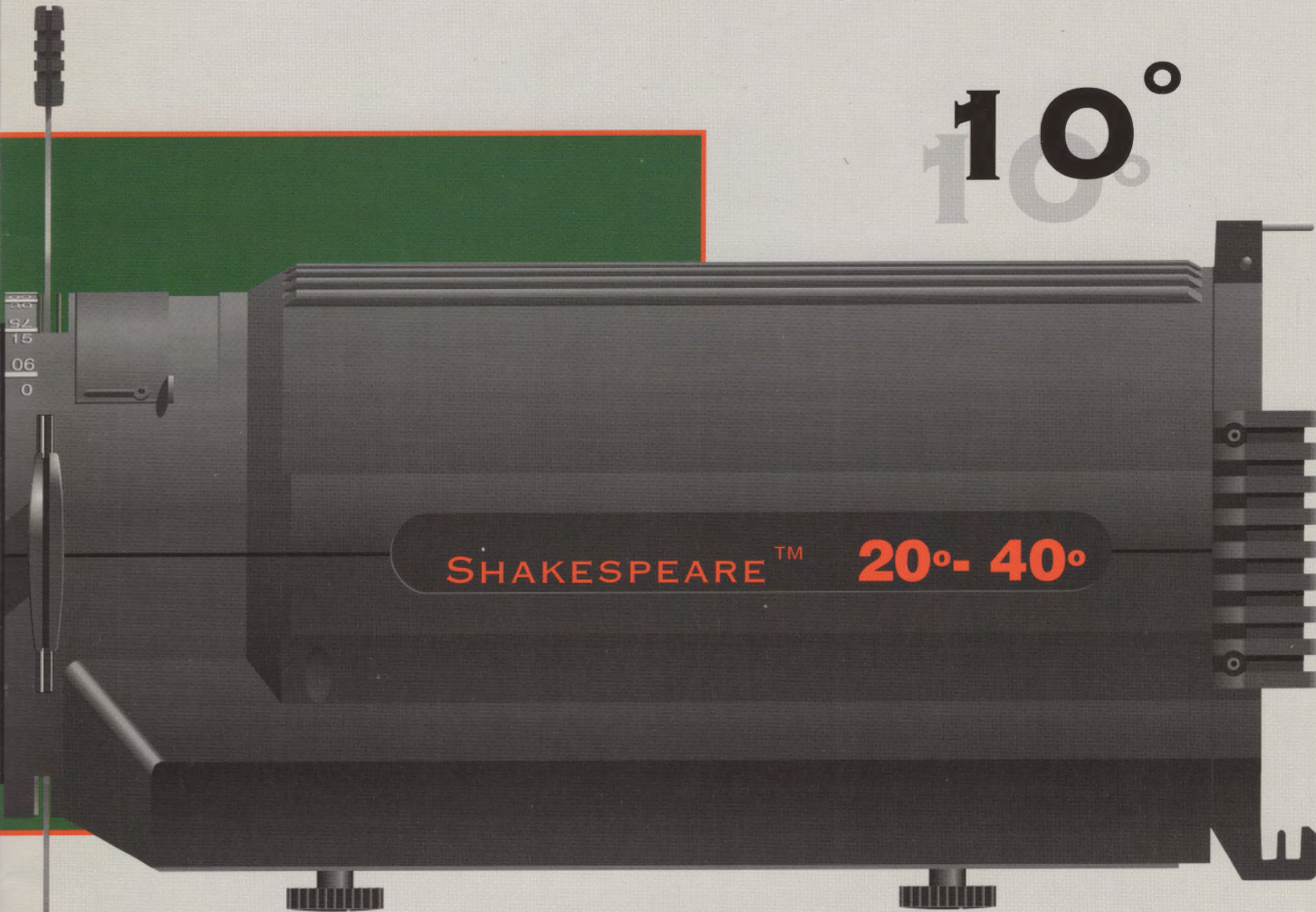
ERGONOMICS

- Insulated shutter handles
- Locking dog angle adjustment
- Indexable rotation and angle markings
- Easy speed prefocusing cap
- Easy lamp replacement
- Rear handle for fixture positioning
- Field angle barrel labels
- Relative position markers for focusing and zoom operations.

20°-40°

15°-30°

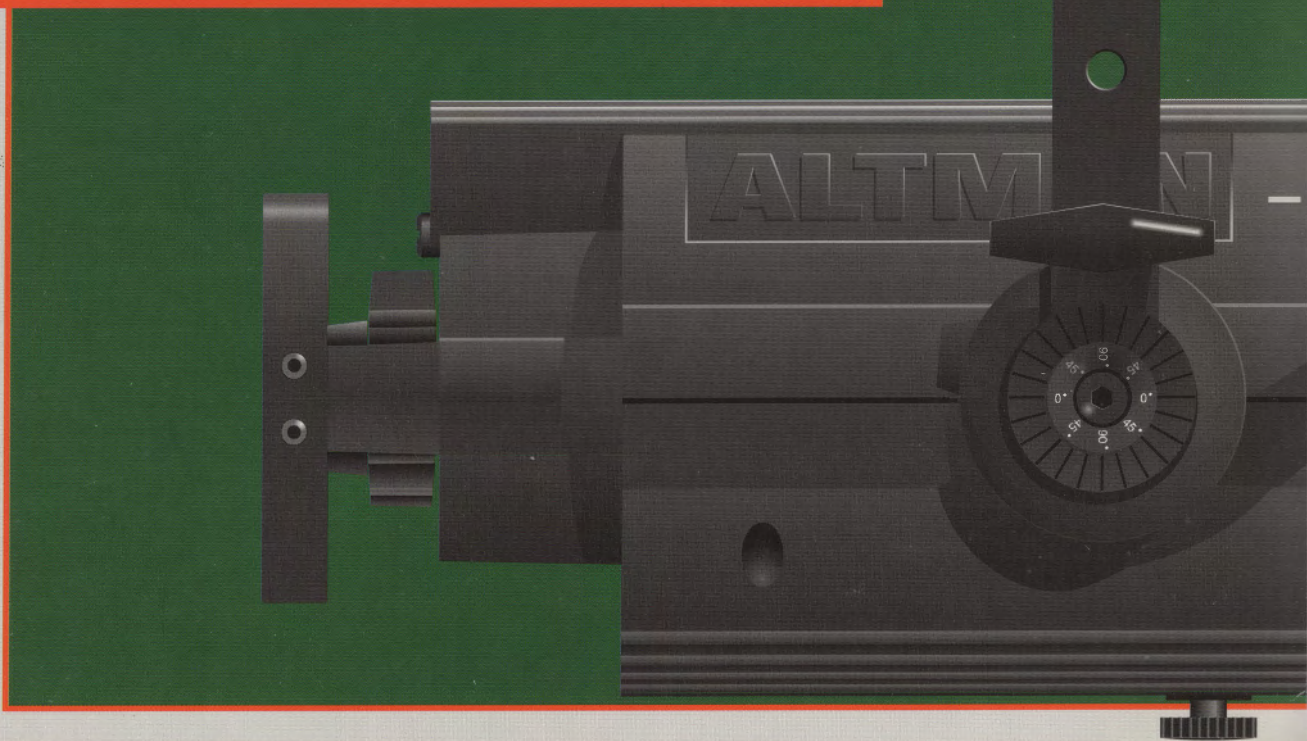
10°



10° FIXED / ZOOM UNITS

SHAKESPEARE™ SERIES

600



TECHNOLOGY IN PERFORMANCE

The quality you've come to expect in a state of the art package. The 600 Series ellipsoidals give superior performance and will lower operating costs.

The new compact filament HX600 (600W) lamp developed in conjunction with the GE/Thorn group together with a specially coated optical system enables the 600 series luminaires to meet or exceed the light output and quality of conventional 1000W FEL based systems. In addition, this combination produces a cooler focused beam which means longer shutter, pattern and gel life.

Substantial savings is the net bottom-line result. With more efficient fixtures, fewer dimming and power distribution controls are required which consume less power. Labor costs are similarly reduced in both set-up and take-down activities. Further savings are realized when considering that fewer fixtures require less storage space which lowers freight and touring costs.

As with all Altman products the new 600 Series is the result of experience, craftsmanship and state of the art technology. Our commitment of providing the best possible products and services available to the lighting industry has and will continue to keep us THE QUALITY OF LIGHT.