

**CAT #S6- (5, 10, 20, 30, 40, 50)
SHAKESPEARE ELLIPSOIDAL**

Specifications:

The luminaires shall be a 575 or 750-watt ellipsoidal reflector spotlight with a G9.5, medium two pin socket with heat sink to accept an axially mounted tungsten lamp, housed inside a dichroic coated glass reflector with secondary "efficiency reflector". Reflector shall be designed for use with Bi-plane filaments (GLA or GLC).

The fixture shall be constructed of rugged die-cast aluminum lamp housing, lens barrel and cap.

The unit shall have four tool free "quick-release" heavy gauge stainless steel shutters equipped with oversized insulate. Luminaires not offering this feature will not be acceptable.

The heat resisting 4.5" plano-convex lenses for 20, 30, 40, & 50-degree shall be housed in an adjustable die-cast lens tube complete with insulated locking knob for beam definition. Molded front lens made of polymeric plastic, housed in spun aluminum lens barrels for 5 and 10-degree luminaires. Lens shall incorporate a color-coded lens identification system.

Luminaires shall be provided with interchangeable tool free lens barrel. Luminaires not offering this feature will not be acceptable.

Lens barrel shall be manufactured with permanent tool free "quick-release safety retaining latch." Luminaires not offering this feature will not be acceptable. The lens barrel shall be equipped with a replaceable two-slot accessory holder with self-closing and self-locking accessory retaining latch.

Luminaires shall incorporate lockable, 180-degree (360 optional) indexed rotation of the shutter assembly and lens barrel. Accessory slot provided with locking cover and will accept rotating gobo accessories, glass pattern holder and drop-in iris.

Luminaires yoke shall have a 1/2" hole to accept an optional cast iron C-clamp Altman #510 suitable for use on up to 2" O.D. pipe. Clamp must incorporate a 360-degree rotational "Safety Stud" with locking bolt. Any clamp not offering this safety feature will not be acceptable.

Luminaires shall be supplied with safety cable, rigid strap yoke, and a three-foot, three-wire lead encased in a black fiberglass sleeve.

Finish shall be Epoxy Sandtex black, electrostatic application.

The light output of the luminaires, with socket adjusted for maximum performance with a cosine distribution using the GLC 575-watt lamp operated at rated lumens, shall have the following minimum results:

UNIT	DISTANCE	DIAMETER SPOT	FOOT-CANDLES
S6-20	30'	11'	254
S6-30	30'	15'	200
S6-40	30'	21'	132
S6-50	30'	28'	70
S6-5	50'	6'	450
S6-10	50'	9'	360

The luminaire shall be U.L., c.U.L. Listed and CE Certified and labeled for use with up to a 750-watt lamp. Luminaire shall have a New York City Calendar Number.

The Luminaire shall be #S6-Series Ellipsoidal as manufactured by Altman Stage Lighting Co., Inc., Yonkers, NY.