

# ellipsoidals

## 6" fixed focus



750w

Height (Top to Bottom)	7-5/8"
Width (Side to Side)	7-5/8"
Length (Front to Back)	
Cat# AQ6104	17-3/4"
Cat# AQ6106	17-3/4"
Cat# AQ6112	19-1/2"
Cat# AQ6116	21-1/2"
Cat# AQ6122	28"
Weight	18 lbs
Color Frame Size	7-1/2" x 7-1/2"

### accessories...

Cat.# 303	Color frame 7-1/2"x7-1/2"
Cat.# 331	Iris (must be factory installed)
Cat.# 362	Pattern holder
Cat.# 103-0531	C clamp-iron
Cat.# 103-0527	C clamp-aluminum
Cat.# 103-0533	Safety cable
Cat.# 458	Stripped glass filter 7-1/2"x7-1/2"

### features...

- Durable aluminum and welded steel construction
- Axially mounted medium two pin socket
- Double flatted Alzak aluminum reflector
- Stainless steel shutters and template slot mounted within the body
- Heat resistant borosilicate glass lenses
- Easy relamping without disturbing the prefocused alignment
- Includes rigid strap yoke, color frame and three foot, 3 wire lead
- Standard finish: Black
- UL, C-UL listed for 750 watts

### photometrics...

Lamp	°K	Hrs	Lumens	Lamp	°K	Hrs	Lumens
400w HX400	3200	300	10,000	575w FLK/LL	2950	2000	12,800
500w EHD	3000	2000	10,600	575w HP600	3200	300	15,500
500w EHC	3200	300	13,000	750w EHG	3000	2000	15,400
575w FLK	3200	300	16,500	750w EHF	3200	300	20,400

Catalog Number	Focal Length	Beam (50% CBCP)				Field Cut-off		CBCP Lamp: EHG	
		Angle	mf	Angle	mf	Angle	mf	Flat	Peak
AQ6104	4.5 x 6.5	36°	0.65	22°	0.38	55°	1.04	21,800	38,300
AQ6106	6 x 9	24°	0.42	16°	0.28	37°	0.67	37,600	66,000
AQ6112	6 x 12	17°	0.30	11°	0.19	26°	0.46	66,000	115,500
AQ6116	6 x 16	12°	0.21	9°	0.15	19°	0.33	80,600	141,000
AQ6122	6 x 22	7°	0.12	6°	0.10	11°	0.19	93,900	164,300

To find light output in footcandles (fc) at any distance:  $CBCP / (\text{throw distance})^2 = fc$

To find any beam or field diameter at any distance:  $\text{throw distance} \times mf = \text{dia.}$

### specifications...

The luminaire shall be a **UL/C-UL** Listed 750 watt max ellipsoidal reflector spotlight with a medium two pin socket, to accept an axially mounted tungsten halogen lamp, housed inside a double flatted Alzak aluminum reflector. The fixture shall be constructed of an all welded steel body with cast aluminum lamp housing and cap. The unit shall have four stainless steel shutters and a template slot mounted within the body. The lenses shall be of heat resistant borosilicate glass and mounted in an adjustable lens holder complete with locking thumb screw for beam definition. The lens holder shall be equipped with steel color frame holders on the sides and bottom. The fixture shall be able to be converted to any other configuration by exchanging the lens barrel and lenses. A hinged body, via locking thumb screw, allows access to the interior of the reflector housing and shutter assembly. Ventilating ports shall be baffled for cooler operation with minimal light leakage.

Relamping shall be accomplished from the rear of the unit, without disturbing the prefocused alignment, by unthreading the brass thumb screw and removing the adjustable lamp and socket assembly from the unit.

Lamp focusing shall be accomplished by adjusting the four focusing screws on the axial cap.

The luminaire shall be supplied with a rigid strap yoke, color frame, and a three foot three wire lead in a black fiberglass sleeve. All painted surfaces shall be baked enamel.

