

ALTMAN

Catalog number:

1KL6-12

1KL6-40

1KL6-20

1KL6-50

1KL6-30

1000 Watt

1KL6 Series ellipsoidal

The 1KL6 Series ellipsoidal is a unique luminaire with professional qualities unequaled by any other spotlight. The tempered crown glass plano convex lenses produce a uniform, sharp edged beam with minimal halation. The 1KL6 Series has an adjustable lamp holder for peak performance or for flat field where pattern projection is desired. The four integral framing shutters are in separate planes and are offset and reversible to insure maximum shaping flexibility. With a range of lamps from 500 to 1000 watts, the 1KL6 Series is ideal for theatres, nightclubs and television studios or wherever superior controlled lighting performance is required.

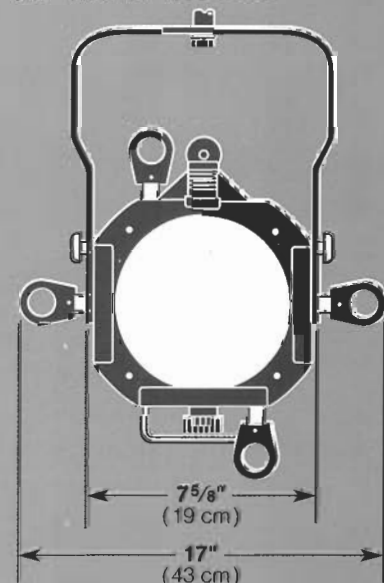
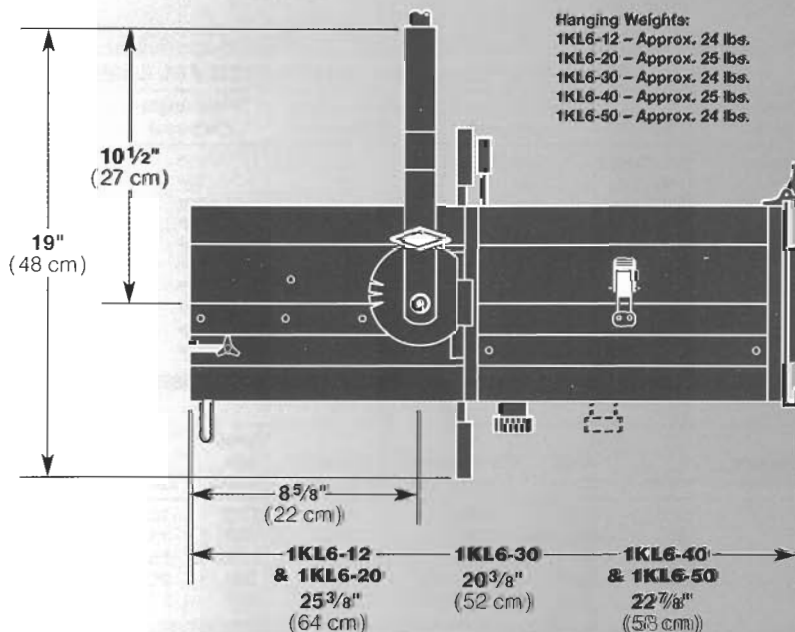
Features

- Tempered crown glass lenses in a Teflon bearing focus assembly
- Extruded aluminum body with die cast parts
- Adjustable lamp holder with heat shield
- Adjustable tension shutter gate complete with a pattern slot and holder
- Multifaceted peened Alzak aluminum reflector.
- Three 36" Teflon lead wires
- Up to 25' of Hi-Temp rubber cable optional
- 270° tilt strap iron yoke with positive locking dogs
- Offset reversible heavy gauge shutters in separate planes
- Pipe clamp, color frame and safety cable included
- U.L. listed for 1000 watts



1KL6-20 pictured

Specifications may vary from time of printing.



ALTMAN

THE QUALITY OF LIGHT

Altman Stage Lighting Company, Inc.
 57 Alexander Street, Yonkers, NY 10701

914-476-7987

212-569-7777

FAX: 914-963-7304

ALTMAN

Catalog number:

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1KL6-20 1KL6-50

1KL6-30

Specifications

HOUSING: Extruded and die-cast aluminum construction.

MATERIALS: Construction employs all corrosion-resistant materials and hardware.

RATING: 120/240 volts AC/DC operation, 8.3/4.2 amps, 1000 watts maximum.

SOCKET: Altman BPS-1200 medium two-pin, axially mounted on 49 sq. inch heat sink with heat shield, toolless relamping.

CABLE: 36" Teflon leads encased in black fiberglass sleeving. Hi-Temp rubber cable optional, up to 25'.

YOKE: Rigid flat steel with dual locking dog tilt handles.

LENSES: Crown glass (white plate) lenses. Movable lens mounted on lens carrier outfitted with Teflon guide bearings.

REFLECTOR: Alzak aluminum, ellipsoidal design.

ACCESS DOOR: Removable without tools, allowing access to lenses and reflector.

SHUTTERS: Four provided, .050 stainless steel, fully adjustable, reversible and removable. Constructed with 30° offset handles with heat resistant knobs.

SHUTTER ASSEMBLY: Tension adjustable with each shutter operating on separate planes allowing for 240° rotation.

FOCUSING, LAMP: Fully adjustable in 3 axes without tools, each axis adjustment independent of the other.

FOCUSING, FIXTURE: Lens movement contained within body, adjustable with heat resistant knob. Rear mounted aiming handle provided.

FINISH: Baked black enamel, electrostatic application.

ACCESSORIES: Accepts drop-in iris, pattern holder, and standard 7 1/2" accessories. Front end accessory holder has spring loaded safety latch.

WEIGHT: Approx. 24 lbs. for 1KL6-12, -30, -50, & approx. 25 lbs. for 1KL6-20, -40.

Accessories

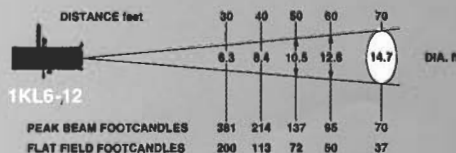
Supplied with luminaire

510-HD	Heavy-Duty Malleable Iron Pipe Clamp
6-CF	Color Frame, 7 1/2" x 7 1/2"
SC	Safety Cable with Spring Clip
1KL6-PH	Pattern Holder, 2 7/16" diameter opening, 3 3/8" wide

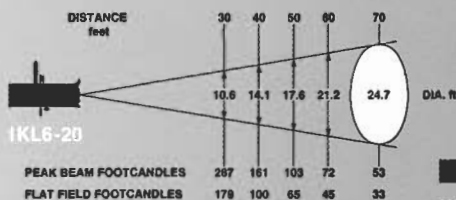
Additional Accessories

6-CFB	Black Color Frame, 7 1/2" x 7 1/2"
6-SN	Snoot
195A-6	Color Wheel
404-6	Motorized Color Wheel
6-DN	Donut, 7 1/2" x 7 1/2" w/ 3" diameter opening
Dii	Drop-in Iris

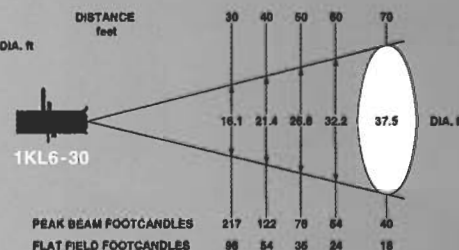
6" Ellipsoidal



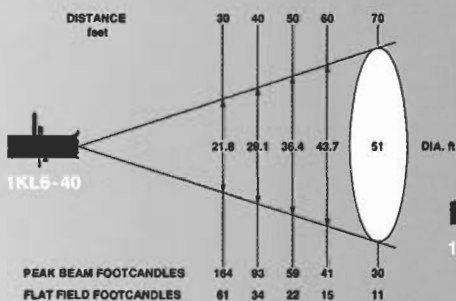
PHOTOMETRIC DATA FOR FEL LAMP



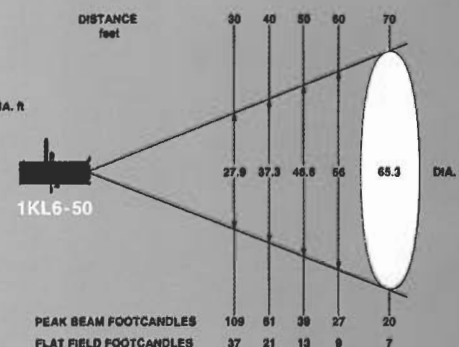
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1KL6 SERIES PERFORMANCE CHART WITH FEL LAMP

Fixture Type	Focus	Candlepower (Candela)	Beam Angle (Degrees)	Field Angle (Degrees)	Efficiency (%)
1KL6-12	Peak Center	343,000	10°	12°	30
	Flat Field	180,000	12°	12°	23.5
1KL6-20	Peak Center	258,000	9.5°	20°	35
	Flat Field	161,000	11.5°	20°	28
1KL6-30	Peak Center	195,000	11°	30°	34
	Flat Field	86,000	20°	30°	31
1KL6-40	Peak Center	148,000	14°	40°	37
	Flat Field	54,500	27°	40°	33
1KL6-50	Peak Center	98,000	16°	50°	36
	Flat Field	33,000	31°	50°	33

LAMP DATA

Fixture Series	Watts	ANSI Code	Manufacturer Lamp Code	Color Temp (°K)	Rated Life (Hours)	Rated Lumens	Correction Factor
1KL6	500	EHD	Q500CL/TP	3000	2000	10,000	.36
	500	EHC/EHB	Q500/5CL	3200	300	13,000	.47
	750	EHG	Q750CL/TP	3000	2000	15,000	.55
	750	EHF	Q750/4CL	3200	300	20,000	.73
	1000	FEL	Q1000/4CL	3200	300	27,500	1.0

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