



Mole-Richardson Co.



TYPE 6861

**24,000 WATT
DAYLITE FRESNEL**

FEATURES

Building on a rich history of large Arc, HMI and Tungsten Fresnels, Mole-Richardson Co. is very proud to introduce the Type 6861 24kW DayLite Fresnel. The new 24K is the largest single HMI Fresnel available in the world. Through the extensive testing process, tremendous care was placed on striking a balance between performance, or light output and light quality, and the physical challenges of dissipating the tremendous heat generated by a lamp of this size. Knowing that simplicity is often the key to reliability and longevity, the new 24K does not make use of fans or other exotic ways to cool the lamp. Instead, large black anodized sockets, measuring a dramatic 5 $\frac{1}{2}$ " in diameter, combined with specifically engineered top and bottom ventilation provides more than adequate cooling. In addition to the advances in cooling, a new highly polished 11" reflector, producing over 95% reflectivity, was designed to work with the larger arc gap of the 24K Lamp. This new reflector, along with the 24 $\frac{3}{4}$ " Borosilicate Fresnel lens combine to produce unparalleled output and a perfectly smooth field from spot to flood.



TYPE 6861 DAYLITE FRESNEL WITH SAFETY SCREEN MOUNTED ON
TYPE 500572 FOLDING LITEWATE CRANK-UP STAND



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TYPE 6861

24,000 WATT DAYLITE FRESNEL



GLOBE TABLE

Base, Double-Ended with flying leads to ring terminal. Burn with arc horizontal $\pm 15^\circ$. T-24 bulb.

Watts	Ordering Code	Color Temp. °K	Finish	Volts	Life Hours	Amps
24,000	CSR 24000/DE	5600	Clear	272	375*	88

*The average color temperature decreases during life is $\frac{1}{2}^\circ\text{K}$ per hour of operation. Globes not included in price of lamp. See price list for complete details.

SPECIFICATIONS

HEAD: Type 6861, 24,000 Watts.

RATING: 272 volts, A.C., 88 amps max.

SOCKET: Spring loaded positive clamping (pair)

SWITCH: ON and OFF momentary push-button mounted on trough.

SAFETY SWITCH: Interlock micro-switch at door shuts off power to globe sockets when door is opened. Globe cannot be turned on until door is closed.

CABLE: Attached 7-conductor cable with interlocking "Veam" type connector.

CONSTRUCTION: Sheet aluminum housing and cast aluminum trough end caps.

YOKE: Tubular and cast aluminum with $1\frac{1}{8}$ " dia. steel yoke pin.

REFLECTOR: 11" dia. Brytal Finished, spherical.

FOCUSING: Hand crank at rear.

FINISH: Clear anodized and high heat black powder coated enamel.

SIZE: 36.5"(h) x 34.2"(w) x 33.2"(d)

HEAD WEIGHT: 160 lbs. (w/cable)

ACCESSORIES

- 680175 4 Way Barn Door (4 Leaf)
- 450481A Moledisc Diffuser Frame (29" dia.)
- 450746 Molering Diffuser Frame (29" dia.)
- 450762S Half Single Moledura Scrim (29" dia.)
- 450762D Half Double Moledura Scrim (29" dia.)
- 450763S Single Moledura Scrim (29" dia.)
- 450763D Double Moledura Screen (29" dia.)
- G140 Scrim Bag
- 518 Shutter
- 51836 Shutter Box
- 6611 DMX Shutter Motor
- 450816 Clear Lens
- 635187 Extension Arms (Set of 3)
- 34724 Flat Diffuser Frame (4' x 4')
- 500572 Folding Crank-Up Liteweight Stand (See Stand Section for more information & options)

BALLAST & HEAD CABLE

- 680229 12,000/18,000/24,000W Electronic Ballast (See Ballast Section for more information & options)
- 680192 Head Extension Cable—50 ft.



Type 680175
4-Way
Barn Door



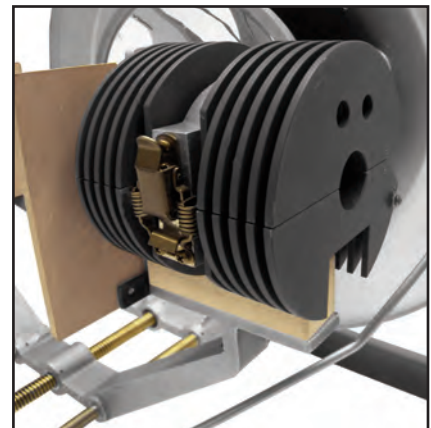
Type 450763D
Double
Moledura
Scrim

PERFORMANCE DATA

Using a **24,000 watt HMI 5600K°** Metal Halide Lamp and Type 680229 12/18/24K Ballast.

Distance Feet	Light Intensity F. C.		Beam Diameter*—Feet	
	Max. Flood	Min. Spot	Max. Flood	Min. Spot
10	12,251	108,594	8.1	1.1
15	5,445	48,353	12.2	1.6
20	3,063	27,224	16.3	2.2
30	1,361	12,111	24.4	3.2
40	766	6,815	32.6	4.3
50	490	4,363	40.7	5.4
75	218	1,940	61.1	8.1
100	122	1,091	81.4	10.8
125	78	699	101.8	13.5
150	54	485	122.1	16.2
175	40	356	142.5	19.0
200	31	273	162.8	21.7

*Light tapers smoothly at edge of field. Diameters listed are flat area diameters at which the intensities are approximately 50% of tabulated intensities at beam center.



Floating sockets reduce vibration and dissipate heat for longer globe life.

