



Mole-Richardson Co.

TYPE 6431

**6,000 WATT
HMI SOLARSPOT®**



FEATURES

Designed around the new 6,000 watt single-end HMI globe. This HMI SolarSpot® produces high light output at low amperage with a smooth even field from spot to flood. The lightweight, circular ventilated housing makes it unsurpassed for film locations, television remotes and news coverage. Especially useful in any interior where daylight color balance is required. Equipped with a safety screen.

TYPE 6431 SINGLE-ENDED HMI
SOLARSPOT® MOUNTED ON TYPE 418182
SENIOR SIZE LITEWATE STAND



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6,000 WATT HMI SOLARSPOT®



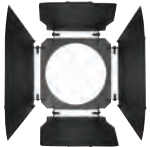
GLOBE TABLE

Base—bipost, G-38. Burn any position.
8¹/₄" L.C.L.

Watts	Ordering Code	Color Temp. °K	Finish	Life Hours	Volts	Amps
6000	HMI 6000 SE/HR	5600	Clear	125	500	55
6000	CSR 6000 SE/HR	5600	Clear	125	500	55
6000	MSR 6000 SE/HR	5600	Clear	125	500	55

The average color temperature decrease during life is .5°K-1°K per hour of operation. Globes not included in price of lamp.

See price list for complete details.



Type 418104
4-Way Light Shield



Type 418103
Moledisc Diffuser Frame



Type 418110
Molesnoot (Five-in-one)



Type 64043
50 ft. Head Cable

PERFORMANCE DATA

Using 6,000 watt, W/SE HMI 5600°K globe, 8¹/₄" L.C.L.

Distance Feet	Light Intensity F.C.		Beam Diameter* Feet	
	Maximum Flood	Minimum Spot	Maximum Flood	Minimum Spot
10	2,700	40,500	11.5	.9
15	1,200	18,000	17.3	1.4
20	675	10,125	23.1	1.9
25	432	6,480	29.8	2.3
30	300	4,500	34.6	2.8
35	220	3,306	40.4	3.3
40	169	2,531	46.1	3.7
50	108	1,620	57.7	4.7
60	75	1,125	69.2	5.6

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

SPECIFICATIONS

HEAD: Type 6431, 6,000 watts.

RATING: 120 volt, A.C., 65.0 amps max., 6,000 watts max.

SOCKET: Type 63295. Heavy-duty electrical grade porcelain body with friction type bipost brass inserts.

SWITCH: ON and OFF push-button switches mounted in lamp trough allow fixture to be re-ignited when hot.

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.

CONSTRUCTION: Light aluminum with vertical circular interlocking channels for ventilation with a louvered trough.

YOKE: Tubular steel with removable 1¹/₈" steel yoke pin.

REFLECTOR: Alzak Aluminum.

CONDENSER: 14" dia. Fresnel lens of glass. 13.5° to 63.5° field angle.

FOCUSING: Hand crank at rear.

FINISH: Clear Anodized Aluminum.

SIZE: 19¹/₂" x 21¹/₂" x 21¹/₂".

HEAD WEIGHT: 48 lbs. (w/cable)

ACCESSORIES

- 418102 2-Way Barn Door (6 Leaf)
- 418104 4-Way Barn Door (12 Leaf)
- 418103 Moledisc Diffuser Frame (18¹/₂" dia.)
- 418110 Molesnoot (Five-in-one) Apertures: 3", 5", 7", 9", and 11"
- 418108S Half Single Moledura Scrim
- 418108D Half Double Moledura Scrim
- 418109S Single Moledura Scrim
- 418109D Double Moledura Scrim
- 418111 Shutter
- 418182 Senior Size Litewate Stand
(See Stand Section for more information & options)

BALLAST & HEAD CABLE

- 66569 6,000W Electronic Ballast
(See Ballast Section for more information & options)
- 64043 Head Extension Cable—50 ft.

