

Mole-Richardson®



6,000 WATT HMI SOLARSPOT®

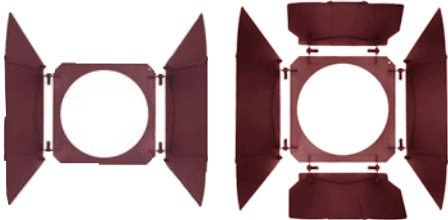
TYPE 6431

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



Type 418102
2-Way Barn Door

Type 418104
4-Way Barn Door



Type 418106
Molequick Diffuser Frame



Type 418103
Moledisc Diffuser Frame



Type 418109D Double
Moledura Scrim



Type 418105 Molering
Diffuser Frame



Type 418110 Molesnoot (Five-in-one)



Type 64043
50 ft. Head Cable



Type 6165
Standard
Magnetic Ballast

PERFORMANCE DATA

TYPE 6431 HMI SOLARSPOT® Using 6,000 watt, W/SE 5600°K HMI Lamp. 8 1/4" L.C.L.

Distance in Feet	Light Intensity F.C.		Beam Diameter Feet	
	Maximum Flood	Minimum Spot	Maximum Flood	Minimum Spot
10	2700	40500	11.5	.9
15	1200	18000	17.3	1.4
20	675	10125	23.1	1.9
25	432	6480	29.8	2.3
30	300	4500	34.6	2.8
35	220	3306	40.4	3.3
40	169	2531	46.1	3.7
50	108	1620	57.7	4.7
60	75	1125	69.2	5.6

*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.

ACCESSORIES

- 6285 Standard Magnetic Ballast
- 64043 Head Cable – 50 ft.
- 418102 2-Way Barn Door (6 Leaf)
- 418104 4-Way Barn Door (12 Leaf)
- 418103 Moledisc Diffuser Frame (18 1/2" dia.)
- 418105 Molering Diffuser Frame (18 1/2" sq.)
- 418106 Molequick Diffuser Frame (18 1/2" dia.)
- 418110 Molesnoot (Five-in-one)
Apertures: 3", 5", 7", 9", and 11"
- 418108S Half Single Moledura Scrim–
Stainless Steel
- 418108D Half Double Moledura Scrim–
Stainless Steel
- 418109S Single Moledura Scrim–
Stainless Steel
- 418109D Double Moledura Scrim–
Stainless Steel
- 418111 Shutter
- 500350 Heavy Duty Wall Bearing C-Clamp
and Adapter Assembly
(For lamps having 1 1/8" dia. yoke pin.)

STAND SUBSTITUTIONS

- 1411 Senior Size Low
- 1571 Senior Size Sky-Hi
- 41494 Senior Size Standard
- 418181 Senior Size Litewate Low
- 418183 Senior Size Litewate Sky-Hi

SPECIFICATIONS

- HEAD:** Type 6431. 6,000 watts.
- RATING:** 120 volt, A.C., single-phase, 60 Hz., 65.0 amps max., 6,000 watts max.
- SOCKET:** Type 63295. Heavy-duty electrical grade porcelain body with friction type bipost brass inserts.
- CONTROL SWITCHES:** ON and OFF push-button switches mounted 1n 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.
- HEAD WEIGHT:** 48 lbs.
- CABLE:** Type 64043. Detachable, 50 ft., Neoprene jacket, 7-conductor, 2 #4 AWG, 1 #6 AWG and 4 #16 AWG with male to female interlocking connectors.
- CABLE WEIGHT:** 38 lbs.
- CONSTRUCTION:** Light aluminum with vertical circular interlocking channels for ventilation with a louvered trough.
- YOKE:** Tubular steel with removable 1 1/8" steel yoke pin.
- CONDENSER:** 14" dia. Fresnel lens of glass. 13.5° to 63.5° field angle.
- MIRROR:** Alzak Aluminum.
- FOCUSING:** Hand crank at rear.
- SIZE:** 19 1/2" x 21 1/2" x 21 1/2".
- FINISH:** Clear Anodized Aluminum.

SPECIFICATIONS (Cont'd)

- STAND:** Type 418182. Senior Size Litewate Standard accepts 1 1/8" dia. yoke pin.
- LOW:** 43 inches.
- HIGH:** 102 3/4 inches.
- FOLDED FOR STORAGE:** 48 3/4 inches.
- STAND TOP TO LIGHT CENTER:** 16 1/4 inches.
- WEIGHT:** 31 lbs.
- STANDARD MAGNETIC BALLAST:** Type 6285.
- RATING:** Input – 120 volt, A.C., single-phase, 60 Hz., 65 amps max.
- CONTROL SWITCHES:** ON and OFF push-button switches mounted in control panel allow fixture to be re-ignited when hot.
- CIRCUIT PROTECTION:** Double-pole circuit breaker and red indicator light.
- BALLAST WEIGHT:** 175 lbs.
- CABLE:** Detachable, 25 ft., Type SO, 3-conductor #4 AWG with female interlocking connector on ballast end and 3-pin connector on other end. (Other plug supplied on request.)
- CABLE WEIGHT:** 38 lbs.
- CONSTRUCTION:** Solid and perforated sheet aluminum with steel base and axle.
- WHEELS:** Pneumatic 8" dia.
- FINISH:** Maroon Powder Coat Enamel.
- SIZE:** 26" x 22 1/2" x 15".
- EXTENSION HEAD CABLE:**
Accessory Type 64043. 50 ft., Type P&R, 7-conductor #12 AWG with male to female interlocking connectors.
- WEIGHT:** 38 lbs.

GLOBE TABLE

TYPE 6431 HMI SOLARSPOT®

Base – bipost, G38. Burn any position. 8 1/4" L.C.L.

Watts	Ordering Code	Color Temp. °K	Finish	Life		
				Volts	Hours	Amps
6000	6000W/SE	5600	Clear	125	5600	55
6000	DIS-60H	5600	Clear	125	5600	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.

Mole-Richardson Co.

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