

# Mole-Richardson®



## 12,000 WATT 24<sup>3</sup>/<sub>4</sub>" HMI FRESNEL MOLE SOLAR-ARC SOLARSPOT®

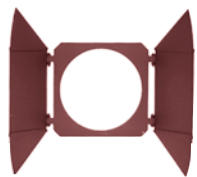
### TYPE 6301

#### FEATURES

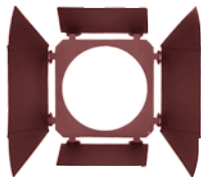
A 24<sup>3</sup>/<sub>4</sub>" 12,000 watt HMI Fresnel Mole Solar-Arc Solarspot® design which features vertical circular interlocking channels for better ventilation and more efficient cooling. A positive ignition system. The back of the fixture tilts out for easy access to globe for relamping. A cold mirror reflector gives high light output with less heat on the subject and a consistent color balance for the rated life of the globe. The 24<sup>3</sup>/<sub>4</sub>" Fresnel lens offers a larger source of light in this efficient, high output fixture. The smooth even field from spot-to-flood makes this focusable source of daylight illumination ideal for use as a daylight booster, key-light or fill-light. The reliable magnetic ballast is smaller, lighter and noise free. Lifting bars on front and rear make handling easier. Its large air filled tires offer improved mobility. Just push a button for daylight, no filters needed. Equipped with safety screen.



TYPE 6301 HMI FRESNEL MOLE SOLAR-ARC  
SOLARSPOT® MOUNTED ON TYPE 500572  
FOLDING CRANK-UP LITEWATE STAND



Type 450260  
2-Way Barn Door



Type 450267  
4-Way Barn Door



Type 6286  
Head Cable



Type 6295  
Magnetic Ballast



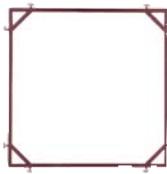
Type 51836  
Shutter Box



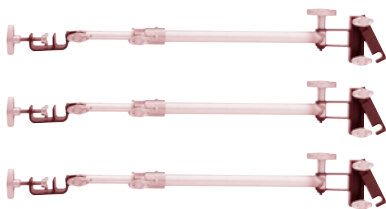
Type 518  
Shutter



Type G140  
Scrim Bag



Type 425100  
Diffuser Frame (4' x 4')



Type 635187  
Extension Arms (Set of 3)

## ACCESSORIES

6295	A.C. Magnetic Ballast
6286	Head Extension Cable 50 ft.
6282	Veam to Pyle Ballast Adapter
450260	2 Way Barn Door (6 Leaf)
450267	4 Way Barn Door (8 Leaf)
450481A	Moledisc Diffuser Frame (29" dia.)
450746	Molering Diffuser Frame (29" dia.)
450762S	Half Single Moledura Scrim— Stainless Steel Screen (29" dia.)
450762D	Half Double Moledura Scrim— Stainless Steel Screen (29" dia.)
450763S	Single Moledura Scrim— Stainless Steel Screen (29" dia.)
450763D	Double Moledura Scrim— Stainless Steel Screen (29" dia.)
518	Shutter
51836	Shutter Box
450840	Scrim Box
G140	Scrim Bag
450816	Clear Lens
61411	Ground Extension Cable
5001514	100 Amp Input 3-Wire Adapter 220 volt
635187	Extension Arm (Set of 3)
425100	Frame (4' x 4')

## STAND SUBSTITUTIONS

325	Molevator®
4504	Crank Operated
41494	Senior Size Standard
5611	Senior Size Long Leg

## GLOBE TABLE

Base, pin type with leads to ring terminal. Burn with arc horizontal  $\pm 15^\circ$ . T-24 bulb, 18 1/2" M.O.L.

Watts	Ordering Code	Color Temp. °K	Finish	Volts	Life Hours	Amps
12,000	DMI12,000	5600	Clear	160 $\pm$ 15	250*	80 $\pm$ 8

\*The average color temperature decreases during life is 1/2°K per hour of operation. Globes not included in price of lamp. See price list for complete details.

## PERFORMANCE DATA

Using DAYMAX, 12,000 watt DMI 5600°K Metal Halide Lamp and Type 6295 Mole Solar-Ballast

Distance Feet	Light Intensity F. C.		Beam Diameter*—Feet	
	Max. Flood	Min. Spot	Max. Flood	Min. Spot
10	4050	59,980	10.9	1.3
15	1800	30,350	16.3	1.9
20	1012	18,400	21.7	2.5
25	650	12,096	27.2	3.2
30	450	8,400	32.6	3.8
40	255	4,725	43.5	5.1
50	162	3,025	54.3	6.3
75	83	1,345	81.5	9.5
100	40	756	108.7	12.7
125	26	485	135.8	15.8
150	18	335	163.0	19.0
175	13	247	190.2	22.2
200	10	190	217.3	25.3

\*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.

## SPECIFICATIONS

**HEAD:** Type 6301, 12,000 watts.

**RATING:** 240 volts, A.C., single phase, 60 Hz., 80 amps max.—12,000 watts max.

**SOCKET:** Positive clamping type. (Two per globe).

**CONTROL SWITCHES:** ON and OFF

pushbuttons switches mounted in lamp trough, allows lamp to be switched on and off, and instantly re-ignited when hot.

**SAFETY SWITCHES:** Interlock microswitch at rear door. Shuts off power to globe sockets if door is open. Globe cannot be turned on until door is closed.

**CONNECTOR:** Panel Mount Pyle connector.

**CONSTRUCTION:** Rugged light clear anodized aluminum with vertical circular interlocking channels for ventilation and a louvered trough with aluminum end castings.

**YOKE:** Tubular aluminum and aluminum castings with 1 1/8" dia. steel yoke pin.

**CONDENSER:** 24 3/4" dia. Fresnel lens, 13° to 50° field angle.

**MIRROR:** 7 1/4" dia. cold mirror.

**ELAPSED TIME INDICATOR:** Records operating time in increments of 1/10th hour.

**FOCUSING:** Hand crank at rear.

**SIZE:** 30 1/2" x 33" x 29 3/4".

**FINISH:** Clear anodized aluminum.

**HEAD WEIGHT:** 133 lbs.

**HEAD CABLE:** Accessory Type 6286. 50 feet neoprene jacket, 9 conductor (2 #4 AWG and 7 #16 AWG) with male to female interlocking connectors.

**CABLE WEIGHT:** 38 lbs.

**MAGNETIC BALLAST:** Accessory Type 6295

**RATING:** Input—240 volts, A.C., single phase, 60 Hz.—7 amps max.

**CONTROL SWITCHES:** ON and OFF push-button switches mounted in control panel, allows lamp to also be switched on and off and instantly re-ignited, when hot, at Ballast.

**CIRCUIT PROTECTION:**

One circuit breaker and red indicator light.

**FINISH:** Maroon Powder Coat Enamel.

**BALLAST CABLE:** Type 6287 Detachable 25 ft., Type SO, 3 conductor #4 AWG with female inter-locking connector on Ballast end and Mole 3-Pin Male Connector on other end.

**CONSTRUCTION:** Solid and perforated sheet aluminum.

**SIZE:** 14 5/8" x 23 3/4" x 29 1/2".

**BALLAST WEIGHT:** 154 1/2 lbs.

**BALLAST CABLE WEIGHT:** 30 lbs.

**STAND:** Type 500572 Folding Crank-up Litewate. Accepts 1 1/8" dia. yoke pin.

**LOW:** 53 inches.

**HIGH:** 120 inches. (2 extensions).

**FOLDING FOR STORAGE:** 61 inches.

**STAND TOP TO LIGHT CENTER:** 28 1/2 inches.

**STAND WEIGHT:** 53 1/2 lbs.

**NOTE:** Other manufactured Magnetic and Square Wave Ballasts can be used as an alternative.

*Mole-Richardson Co.*

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