

Mole-Richardson®



12,000 WATT 24³/₄" HMI SINGLE ENDED FRESNEL MOLE SOLAR-ARC SOLARSPOT®

TYPE 7301

FEATURES

The 12,000 watt 24³/₄"HMI Single Ended Fresnel Mole Solar-Arc Solarspot® design features a new globe holder for supporting the new 12,000 watt single ended globe. Also featured are vertical circular interlocking channels for better ventilation and more efficient cooling. 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 24³/₄" Fresnel lens offers a larger source of light with smooth even field from spot-to-flood making this daylight fixture illumination ideal for use as a daylight booster, key-light or fill-light. Equipped with safety screen. Also available is our new Type 66065 12,000/18,000 Watt HMI solid-state, electronic, flicker-free ballast.



12K Single Ended HMI Globe

TYPE 7301 HMI FRESNEL MOLE SOLAR-ARC SOLARSPOT® MOUNTED ON TYPE 500572 FOLDING CRANK-UP LITEWATE STAND WITH TYPE 66065 SOLID-STATE ELECTRONIC FLICKER-FREE BALLAST AND TYPE 635196 50' HEAD EXTENSION CABLE





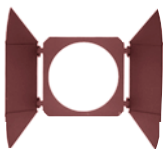
Type 66065 12K/18K AC SquareWave Ballast



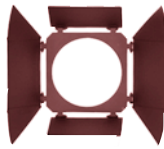
Type 6295 12k AC Magnetic Ballast



Type 635196 50' Head Cable



Type 450260 2-Way Barn Door



Type 450267 4-Way Barn Door



Type 450763D Double Moledura Scrim



Type 450746 Diffuser Frame



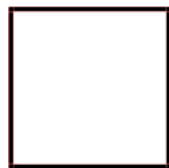
Type 6611 DMX Shutter Motor



Type 518 Shutter



Type 635187 Extension Arms (Set of 3)



Type 34724 Flat Diffuser Frame (4' x 4')

ACCESSORIES

- 66065 12K/18K Electronic AC Square Wave Ballast
- 6295 12K A.C. Magnetic Ballast
- 635196 Head Extension Cable 50 ft.
- 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.)
- 450840 Scrim Box
- G140 Scrim Bag
- 518 Shutter
- 51836 Shutter Box
- 6611 DMX Shutter Motor
- 450816 Clear Lens
- 635187 Extension Arm (Set of 3)
- 34724 Flat Diffuser Frame (Solid 4' x 4')
- 425100 Square Tube Diffuser Frame (Breakdown 4' x 4')
- 5001514 100 Amp Input 3-Wire Adapter 220 volt

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	12K KOTO	5600	Clear	120	250*	80±8
12,000	12K W/SE	5600	Clear	120	250*	80±8

*Globes not included in price of lamp. See price list for complete details.

PERFORMANCE DATA

Using 12,000 Watt, 12,000 W/SE 5600°K HMI Lamp

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 7301, 12,000 watts.
RATING: 240 volts, A.C., single phase, 60 Hz., 80 amps max. — 12,000 watts max.
SOCKET: Positive clamping type.
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 Veam 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.
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 635196 Detachable, 50 feet, Type SO, 7 conductor, with male and female interlocking 'Veam' Type connectors.
CABLE WEIGHT: 38 lbs.

12K/18K ELECTRONIC AC SQUAREWAVE BALLAST:

Accessory Type 66065
RATING: Input: 208 to 240 volts, 50 or 60 HZ, 80 amps max.
CONTROL SWITCHES: ON and OFF push-button switches mounted on Ballast control panel; may be re-ignited when hot.
CIRCUIT PROTECTION: Double circuit breaker and red indicator light.
BALLAST CABLE: Type 66066, power cable detachable, 3ft. With Veam type connector on ballast end and customer specified plug on other end. (Included in price of ballast).

CONSTRUCTION: Solid and perforated sheet aluminum with cart.
FINISH: Anodized Aluminum.
SIZE: 27" x 20 1/2" x 30" (52" with handle raised).
BALLAST WEIGHT: 140 lbs.
BALLAST CABLE WEIGHT: 30 lbs.
NOTE: The 6295 Magnetic Ballast can be used as an alternative.
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.

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