

# Mole-Richardson®



## 2,500/4,000 WATT 24" HMI MOLEBEAM PROJECTOR

### TYPE 8361



### FEATURES

This Combination 2,500W/4,000W HMI Mole-Beam Projector may be the most versatile in our very successful family (line) of Beam Projectors. It features an adjustable socket capable of changing from 2500w and 4000w HMI globes. The 24" stream of daylight (5600°) produced by this lamp creates a stunning parallel shaft of light with the option of variable focus from -5° to +15°. This beam projector has the widest range of burn positions, both extremes, straight-up or straight-down, with no noticeable light variation. MoleBeam Projectors are great for shafts of light through windows or foliage without the flutter usually associated with other "shaft" based lamps. Originally designed for lighting deep into large musical sets, these parallel, controllable light sources have come full circle from the hey-day of black and white musicals to current day as stunning parallel beam effects. Equipped with safety screen.



TYPE 8361 2,500/4,000 WATT 24" HMI MOLEBEAM PROJECTOR MOUNTED ON TYPE 500572 FOLDINGCRANK-UP STAND WITH TYPE 638185 2,500/4,000 WATT SQUAREWAVE BALLAST AND TYPE 63897 50' HEAD CABLE





Type 638185  
2.5K/4K Electronic AC  
Square Wave Ballast



Type 638150  
2.5K/4K Electronic AC/DC  
Square Wave Ballast



Type 63923  
Head Extension Cable



Type 450481A Moledisc  
Diffuser Frame



Type 450763D Double  
Moledura Scrim



Type G140 Scrim Bag



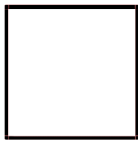
Type 518  
Shutter



Type 6611  
DMX Shutter Motor



Type 635187  
Extension Arms (Set of 3)



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



Type 83246  
Shipping/Storage Case

## ACCESSORIES

- 638185 2.5K/4K Electronic A.C. Square Wave Ballast
- 638150 2.5K/4K Electronic AC/DC Square Wave Ballast
- 6165 2.5K Standard Magnetic Ballast
- 6275 4K Standard Magnetic Ballast
- 63923 Head Extension Cable—50 ft.
- 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
- 425100 Square Tube Diffuser Frame (Breakdown 4x 4)  
Type 635187 Extension Arm needed for mounting
- 635187 Extension Arms (Set of 3)
- 34724 Flat Diffuser Frame (Solid 4x 4')  
Type 635187 Extension Arm needed for mounting
- 83246 Shipping/Storage Case

## STAND SUBSTITUTIONS

- 418181 Senior Size Litewate Low
- 418182 Senior Size Litewate Standard
- 41494 Senior Size Standard
- 5611 Senior Size Long Leg
- 325 Molevator®
- 4504 Crank Operated

## GLOBE TABLE

**TYPE 8361 MOLEBEAM PROJECTOR**  
Base — Bipost, G38; Burn any position;  
4K/5<sup>3</sup>/<sub>5</sub>" L.C.L. or 2.5K/5" L.C.L.

Watts	Ordering Code	Color Temp. °K	Volts	Life Hours	Amps
4000	4000 W/SE	5600	220	500	25.6
4000	MSR 4000 HR	5600	220	500	25.6
4000	DIS - 40H	5600	220	500	25.6
2500	2500 W/SE	5600	115	500	25.6
2500	MSR 2500 HR	5600	115	500	25.6
2500	DIS - 25H	5600	115	500	25.6

\*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.

## PERFORMANCE DATA

### TYPE 8361 24" MOLEBEAM PROJECTOR

Using 2,500 watt W/SE 120 volt, 5600°K quartz globe.

Distance Feet	Light Intensity F.C. (Spot)	Beam Dia. Feet (Spot)	Light Intensity F.C. (Flood)	Beam Dia. Feet (Flood)	Distance Feet	Light Intensity F.C. (Spot)	Beam Dia. Feet (Spot)	Light Intensity F.C. (Flood)	Beam Dia. Feet (Flood)
25	17,280	2	2,016	6	25	23,673	2	2,016	6
75	1,920	2	224	18	75	2,630	2	224	18
125	691	2	806	31	125	947	2	806	31
175	353	2	41	43	175	483	2	41	43
225	213	2	25	56	225	292	2	25	56
300	120	2	14	75	300	164	2	14	75

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

## PERFORMANCE DATA

### TYPE 8361 24" MOLEBEAM PROJECTOR

Using 4,000 watt W/SE 220 volt, 5600°K quartz globe.

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## SPECIFICATIONS

**HEAD:** Type 8361, 2,500/4,000 watts.

**RATING:** 360 volts, A.C., 38 amps max.—4,000 watts max.

**SOCKET:** 83232 Heavy duty electrical grade porcelain body, mogul bipost with positive clamping contacts. Socket bracket adjusts from 2.5K (5" L.C.L.) to 4K (5<sup>3</sup>/<sub>5</sub>" L.C.L.).

**CONTROL SWITCHES:** ON and OFF push button switches mounted on ballast control panel; allows lamp to be switched ON and OFF from ballast and instantly reignited when hot.

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

**CONSTRUCTION:** Light aluminum with vertical circular interlocking channels for ventilation and a louvered aluminum trough with aluminum end castings.

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

**SAFETY GLASS:** 24" dia. flat clear Pyrex

**MIRROR:** 24<sup>3</sup>/<sub>4</sub>" dia. highly reflective parabolic glass mirror.

**FOCUSING:** Knobs, in front and rear of fixture.

**SIZE:** 22<sup>1</sup>/<sub>2</sub>" x 33<sup>1</sup>/<sub>2</sub>" x 47".

**FINISH:** Clear Anodized Aluminum / Maroon Powder Coated Enamel.

**HEAD WEIGHT:** 81 lbs.

**HEAD CABLE:** Accessory Type 63923 Detachable, 50 ft., Type SO, 7 conductor, #12 GA with male and female interlocking Veam type connectors.

**CABLE WEIGHT:** 26 lbs.

### 2,500W/4,000W ELECTRONIC AC SQUARE WAVE BALLAST:

Accessory Type 638185

**RATING:** Input—95-260 volts A.C. or 50/60 Hertz, 33.6 amps max.

**CONTROL SWITCHES:** ON and OFF push button switches mounted on ballast control panel; allows lamp to be switched ON and OFF from ballast and instantly reignited when hot.

**CIRCUIT PROTECTION:** Double pole circuit breaker.

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

**FINISH:** Anodized Aluminum.

**SIZE:** 15" x 10<sup>1</sup>/<sub>2</sub>" x 9<sup>1</sup>/<sub>2</sub>".

**BALLAST WEIGHT:** 31 lbs.

**BALLAST CABLE:** Detachable, 25 ft., Type SO, 3 conductor, #8 AWG. (Specify type of plug when ordering).

**BALLAST CABLE WEIGHT:** 14 lbs.

**NOTE:** Type 638150 AC/DC Electronic Ballast can be used with the 2,500/4,000 watt fixture.

Type 6165 Magnetic Ballast can be used with the 2,500 watt fixture and Type 6275 Magnetic Ballast can be used with the 4,000 watt fixture.

**STAND:** Type 500572 Folding Crank-up Liteweight. Accepts 1<sup>1</sup>/<sub>8</sub>" dia. yoke pin.

**LOW:** 53 inches.

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

**FOLDING FOR STORAGE:** 61 inches.

**STAND TOP TO LIGHT CENTER:** 28<sup>1</sup>/<sub>2</sub> inches.

**STAND WEIGHT:** 53<sup>1</sup>/<sub>2</sub> lbs.