

# Mole-Richardson®



## 1,000 WATT MOLEQUARTZ® BABY-BABY SOLARSPOT®

### TYPE 2831

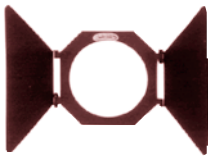


#### FEATURES

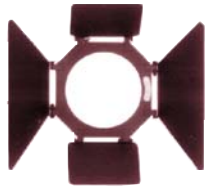
A compact and lightweight Solarspot® with high performance. 4<sup>15/32</sup>" Fresnel Condenser mounted in front casting. For use as a key-light, back-light or kicker with a smooth even field from spot-to-flood. Ideal for use on hangers, trombones, wall sleds and wall plates on Motion Picture and Television Sets. Molecool® Paddles on front and rear for quick focusing. Top swings back for easy access to globe.



TYPE 2831 MOLEQUARTZ® BABY-BABY  
SOLARSPOT® MOUNTED ON  
TYPE 40651A BABY SIZE STANDARD STAND



Type 2832  
2-Way Barn Door



Type 2834  
4-Way Barn Door



Type 4083 Moledisc  
Diffuser Frame



Type 2839 Molequik  
Diffuser Frame



Type 4088D Half Double  
Moledura Scrim



Type 4089D Double  
Moledura Scrim



Type 28310 Molesnoot



Type 283161  
Molecone



Type 412157  
Diffuser Frame



Type G136  
Scrim Bag



Type 407340  
Scrim Box



Type 1201  
C-Clamp



Type 500119  
Hanger Adapter

## ACCESSORIES

- 2832 2-Way Barn Door (2-Leaf)
- 2834 4-Way Barn Door (4-Leaf)
- 28314 4-Way Barn Door (8-Leaf)
- \*4083 Moledisc Diffuser Frame (7<sup>3</sup>/<sub>16</sub>" dia.)
- \*2838 Molerling Diffuser Frame (7<sup>3</sup>/<sub>16</sub>" dia.)  
Also mounts in 28311 Diffuser Holder
- \*2839 Molequik Diffuser Frame (7<sup>3</sup>/<sub>16</sub>" sq.)  
\*Mount in lamp diffuser clips. Recommended for use with spun glass and frosted materials.
- 4088S Half Single Moledura Scrim—  
Stainless Steel Screen (7<sup>3</sup>/<sub>16</sub>" dia.)
- 4088D Half Double Moledura Scrim—  
Stainless Steel Screen (7<sup>3</sup>/<sub>16</sub>" dia.)
- 4089S Single Moledura Scrim—  
Stainless Steel Screen (7<sup>3</sup>/<sub>16</sub>" dia.)
- 4089D Double Moledura Scrim—  
Stainless Steel Screen (7<sup>3</sup>/<sub>16</sub>" dia.)
- 28310 Molesnoot (Five-In-One)  
Apertures: 1<sup>1</sup>/<sub>2</sub>", 2", 2<sup>1</sup>/<sub>2</sub>", 3" and 3<sup>1</sup>/<sub>2</sub>"
- 283161 Molecone
- 412157 Square Diffuser Frame
- 2835 Extension Clip Assembly  
Attaches to lamp diffuser clips. Uses 4133, 4135 or 4136 Frame with color filter material.
- G136 Scrim Bag
- 407340 Scrim Box
- ‡4133 Moledisc Diffuser Frame (9" dia.)
- ‡4135 Molerling Diffuser Frame (9" dia.)
- ‡4136 Molequik Diffuser Frame (9" sq.)  
‡Mount in 2835 Extension Clip Assembly
- 28311 Diffuser Holder (Barn Door Mounted)  
Attaches to front of Barn Door.  
Uses 2838 Frame with color filter material.
- 283127 Diffuser Holder (Barn Door Mounted)  
Attaches to lamp diffuser clips.  
Uses 2838 Frame with color filter material.
- 2836 Blue Molecolor Daylight  
Conversion Filter
- 1201 C-Clamp
- 2355 Base Plate
- 4022 Molegator Grip (5<sup>1</sup>/<sub>8</sub>" dia. Spud)
- 23523 5<sup>1</sup>/<sub>8</sub>" to 3<sup>3</sup>/<sub>8</sub>" Spud Adapter
- 50073 Junior to Baby Stand Adapter
- 500119 Hanger Adapter (5<sup>1</sup>/<sub>8</sub>" dia. Spud)
- 500141 Baby Wall Plate
- 500144 Baby Stand Bracket
- 500179 Caster Post
- 500192 Baby Stand Riser
- 500216 Baby Stand Triple Head
- 500250 Baby Stand Double Head
- 500311 Right Angle Baby Spud Adapter
- 500343 Junior to Baby Hanger Adapter
- †500403 Adjustable Hanger Group
- †500424 Telescoping Hanger Group  
†Refer to Hanger Section.
- 500429 Stirrup Hanger Adapter
- 500547 Right Angle Baby Wall Plate
- 500648 Molegrip (5<sup>1</sup>/<sub>8</sub>" dia. Spud)
- 500649 Molegrip Chain Wrench (5<sup>1</sup>/<sub>8</sub>" dia. Spud)

## SPECIFICATIONS

- HEAD:** Type 2831, 1,000 Watts
- RATING:** 120/240 volts, A.C. or D.C., 8.3 amps max.—1,000 watts max.
- SOCKET:** Medium Bipost. Spring loaded contacts.
- SWITCH:** Thru-cord type in cable.
- CABLE:** 25 ft., Type SO, 3 conductor #16 AWG. (specify type of plug when ordering).
- CONSTRUCTION:** Solid and perforated sheet steel.
- YOKE:** Cast aluminum. Fits any standard 5<sup>1</sup>/<sub>8</sub>" dia. stand spud or 5<sup>1</sup>/<sub>8</sub>" dia. hanger spud.
- CONDENSER:** 4<sup>15</sup>/<sub>32</sub>" dia. Fresnel lens of Pyrex glass. 21° to 70° field angle.
- MIRROR:** Alzak Aluminum.
- FOCUSING:** Easy action Molecool® Paddle type handles. Front and rear.
- FINISH:** Maroon Powder Coated Enamel and High Temperature Black.
- SIZE:** 9<sup>1</sup>/<sub>4</sub>" x 7<sup>3</sup>/<sub>8</sub>" x 8<sup>7</sup>/<sub>8</sub>".
- HEAD WEIGHT:** 7 lbs.
- CABLE WEIGHT:** 2<sup>1</sup>/<sub>2</sub> lbs.
- STAND:** Type 40651A Baby Size Standard with standard 5<sup>1</sup>/<sub>8</sub>" dia. spud.
- LOW:** 40 inches.
- HIGH:** 100 inches (2 extensions).
- FOLDED FOR STORAGE:** 39 inches.
- STAND TOP TO LIGHT CENTER:** 8<sup>3</sup>/<sub>8</sub> inches.
- WEIGHT:** 16<sup>1</sup>/<sub>2</sub> lbs.

## STAND SUBSTITUTIONS

- 75 Comet Lamp Boom
- 1391 Baby Size Low
- 1581 Baby Size Sky-Hi
- 2541 Baby Size Compact Litewate
- 2751 Long Moleboom
- 3281 Baby Size Standard Litewate
- 4811 Baby Size Low Compact Litewate

## GLOBE TABLE

Base, medium bipost. Burn within 45° of vertical base down. T-6 bulb and T-7 bulbs; 2<sup>1</sup>/<sub>2</sub>" L.C.L.

Watts	Ordering Code	Color Temp. °K	Finish	Volts	Life Hours	Amps
1000	EGT	3200	Clear	120	250	8.3
750	EGR	3200	Clear	120	200	6.3
500	EGN	3200	Clear	120	100	4.2

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

## PERFORMANCE DATA

Using EGT, 1,000 watt, 120 volt, 3200°K quartz globe.

Distance Feet	Light Intensity F.C.		Beam Diameter* Feet	
	Max. Flood	Min. Spot	Max. Flood	Min. Spot
5	550	3650	5.6	1.0
10	140	980	11.2	2.0
15	60	450	16.8	3.0
20	35	250	22.4	4.0
25	20	160	28.0	5.0
30	15	110	33.6	6.0

\*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.

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