

# Mole-Richardson®



## 5,000 WATT MOLEQUARTZ® 14" SENIOR SOLARSPOT®

### TYPE 4351

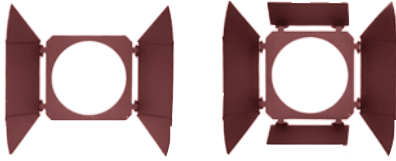


### FEATURES

Introducing our newly redesigned 5,000 watt Senior Solarspot, with 30% more spread than the traditional 14" Senior for greater coverage from a single fixture. The design also includes circular channel construction for added strength and more efficient airflow, resulting in cooler operation. Now that lower light levels are the norm, the high performance illumination reduces the number of fixtures needed to light a set. Ideal for basic set lighting techniques in Motion Picture, Television and the Professional Photographic Industries. The Senior Solarspot can be used as a key-light, back-light or kicker where light control with a smooth even field from spot-to-flood is essential. Equipped with safety screen.



TYPE 4351 SENIOR SOLARSPOT®  
MOUNTED ON TYPE 418182 SENIOR SIZE  
LITEWATE STANDARD STAND



Type 418102  
2-Way Barn Door

Type 418104  
4-Way Barn Door



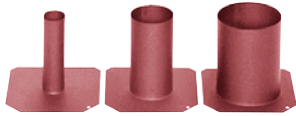
Type 418103 Moledisc  
Diffuser Frame



Type 418105 Molering  
Diffuser Frame



Type 418110 Molesnoot



Type 418341 Molesnoot



Type 418108D Half Double  
Moledura Scrim



Type 418109D Double  
Moledura Scrim



Type 418340 Scrim Box



G139 Scrim Bag



Type 500350  
Heavy Duty Ball Bearing C-Clamp

## ACCESSORIES

- 418102 2-Way Barn Door (6 Leaf)
- 418104 4-Way Barn Door (8 Leaf)
- 418103 Moledisc Diffuser Frame (18 1/2" dia.)
- 418105 Molering Diffuser Frame (18 1/2" dia.)
- 418106 Molequik Diffuser Frame (18 1/2" dia.)
- 418341 Snoot (Set of 3)
- 418110 Molesnoot (Five-in-one)  
Apertures: 3", 5", 7", 9" and 11".
- 418108S Half Single Moledura Scrim—  
Wire Screen (18 1/2" dia.)
- 418108D Half Double Moledura Scrim—  
Wire Screen (18 1/2" dia.)
- 418109S Single Moledura Scrim—  
Wire Screen (18 1/2" dia.)
- 418109D Double Moledura Scrim—  
Wire Screen (18 1/2" dia.)
- 418340 Scrim Box
- G139 Scrim Bag
- 81861 Safety Cable
- 415B Blue Molocolor Daylight  
Conversion Filter
- 415120 Dichroic Daylight Conversion Filter
- 38592 Fresnel Condenser (Hot)
- 418111 Shutter
- 418369 Shutter Box
- 1921 5KW to 2KW Socket Adapter
- 1201 C-Clamp
- 500114 Stand Extension
- 500165 Hanger Adapter
- 500182 Hanger Adapter
- 500229 Set Wall Bracket
- 500300 Senior Wall Sled
- 500350 Heavy Duty Ball Bearing C-Clamp  
and Adapter Assembly  
(For lamps having 1 1/8" dia. yoke pin)
- 500353 Heavy Duty Ball Bearing C-Clamp  
and Adapter Assembly  
(Replaces flat end yoke pin)
- ‡500403 Adjustable Hanger Group
- ‡500424 Telescoping Hanger Group  
‡Refer to Hanger Section.
- 500429 Stirrup

## SPECIFICATIONS

**HEAD:** Type 4351. 5,000 watts.  
**RATING:** 120/240 volts, A.C. or D.C.,  
 41.6 amps max., 5,000 watts max.  
**SOCKET:** Mogul Bipost. Spring loaded contacts.  
**SWITCH:** 60 amp., 125 volt heavy-duty  
 double pole, snap action. Mounted in trough.  
**CABLE:** 3 ft., #6/1 Entertainment Cable with  
 #10/1 ground and MC257G plug.  
 (Specify type of plug when ordering).  
 (Cable substitutions available upon request).  
**CONSTRUCTION:** Aluminum with vertical  
 circular interlocking channels for ventilation.  
**YOKE:** Tubular steel and brass castings  
 with removable 1 1/8" dia. steel yoke pin.  
**CONDENSER:** 14" dia. curved Fresnel lens of  
 glass. Cold lens, 18° to 70° field angle.  
*Accessory* Hot lens, 16° to 60° field angle.  
**MIRROR:** Alzak Aluminum.  
**FOCUSING:** Rear Rotating Hand Crank.  
**SIZE:** 23 1/2" x 18 7/8" x 21 7/8".  
**FINISH:** Clear Anodized Aluminum/Maroon  
 Powder Coated Enamel.  
**WEIGHT:** 65 1/2 lbs.  
**STAND:** Type 418182 Senior Size  
 Litewater 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:** 21 3/4 inches.  
**WEIGHT:** 31 lbs.

## STAND SUBSTITUTIONS

- 1411 Junior Size Low
- 1571 Senior Size Sky-Hi
- 5611 Senior Size Long Leg
- 500572 Folding Crank-up Litewater
- 500620 Folding Litewater

## GLOBE TABLE

Base, mogul bipost. Burn base-down to  
 horizontal. T-17 and T-20 bulbs. 6 1/2" L.C.L.

Watts	Ordering Code	Color Temp. °K	Finish	Volts	Life Hours	Amps
5000	DPY	3200	Clear	120	500	41.6

Globes not included in price of lamp.

See price list for complete details.

\*220 Volt DPY Globes available upon request.

## PERFORMANCE DATA

Using DPY 5,000 watt, 120 volt, 3200°K quartz globe.

Distance Feet	With Type 414 Standard Lens				With Type 38592 Hot Lens			
	Light Intensity FC		Beam Diameter* Feet		Light Intensity FC		Beam Diameter* Feet	
	Maximum Flood	Minimum Spot	Maximum Flood	Minimum Spot	Maximum Flood	Minimum Spot	Maximum Flood	Minimum Spot
10	875	5812	13	1.5	1063	8250	10	1.8
15	390	2583	19	2.2	472	3667	15	2.6
20	219	1453	26	3.0	266	2063	20	3.5
25	140	930	32	3.7	170	1320	26	4.4
30	97	646	39	4.4	118	917	31	5.3
40	55	363	52	5.9	66	516	41	7.0
50	35	233	65	7.4	43	330	52	8.8
60	24	161	78	8.9	30	229	62	10.6

\*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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