

# Mole-Richardson®



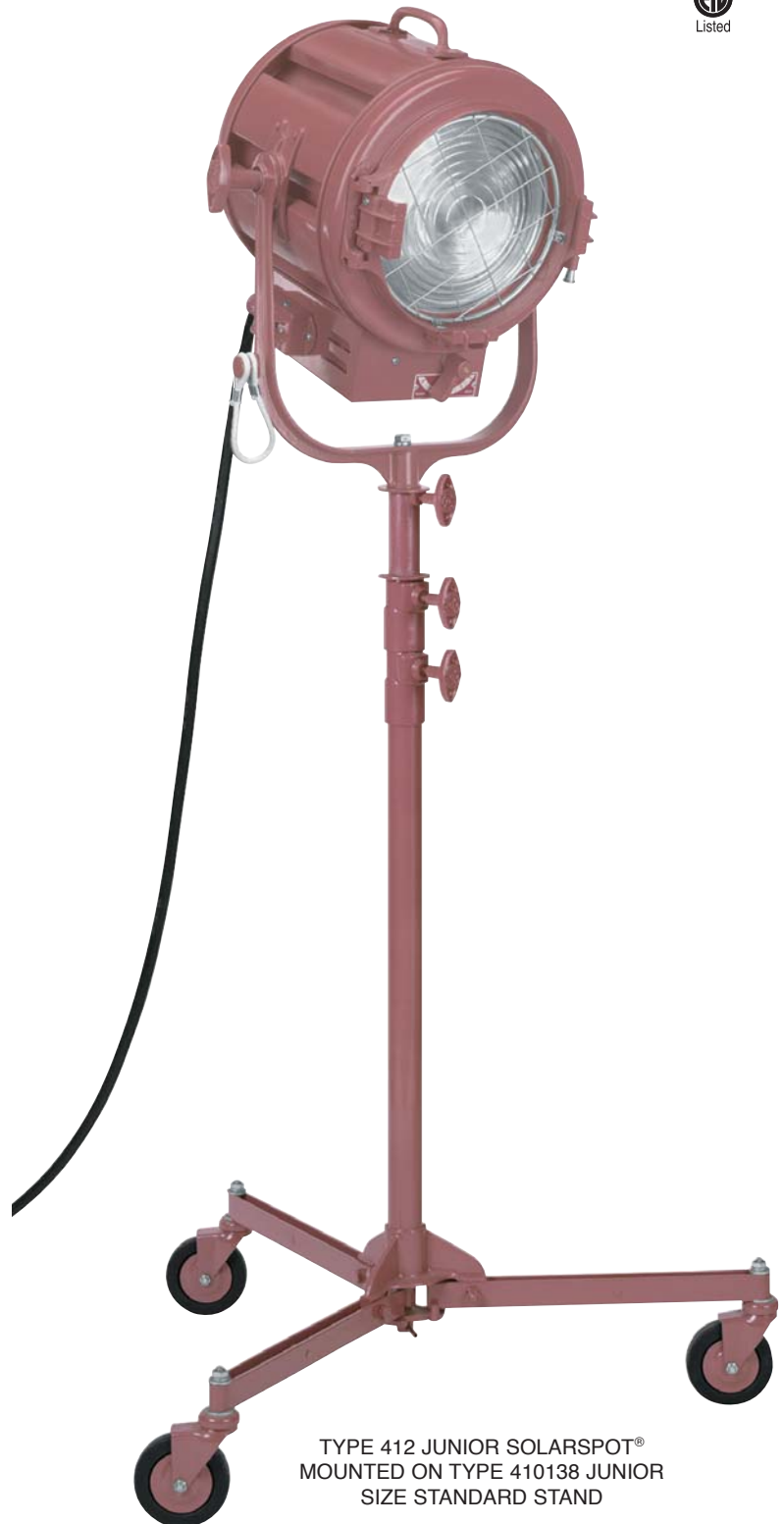
## 2,000 WATT JUNIOR SOLARSPOT®

### TYPE 412



#### FEATURES

For basic set lighting techniques in Motion Picture, Television and the Professional Photographic Industries, the Junior Solarspot® is one of a family in good lighting. 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 412 JUNIOR SOLARSPOT®  
MOUNTED ON TYPE 410138 JUNIOR  
SIZE STANDARD STAND



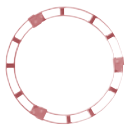
Type 41252  
2-Way Barn Door



Type 41252A  
4-Way Barn Door



Type 41245A Moledisc  
Diffuser Frame



Type 412192 Molering  
Diffuser Frame



Type 412194 Molesnoot



Type 412121D Half Double  
Stainless Steel  
Moledura Scrim



Type 412122D Double  
Stainless Steel  
Moledura Scrim



Type 412136 Dichroic  
Daylight Conversion Filter



Type 412B Blue Molocolor  
Daylight Conversion Filter



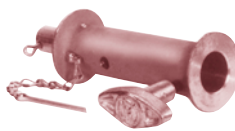
Type 412340  
Scrim Box



Type G138  
Scrim Bag



Type 1201 C-Clamp



Type 500165 Hanger Adapter

## ACCESSORIES

- 41252 2-Way Barn Door (2 Leaf)
  - 41252A 4-Way Barn Door (4 Leaf)
  - 412147 4-Way Barn Door (8 Leaf)
  - 41245A Moledisc Diffuser Frame (10<sup>1</sup>/<sub>8</sub>" dia.)
  - 412157 Molequik Diffuser Frame (10<sup>1</sup>/<sub>8</sub>" sq.)
  - 412192 Molering Diffuser Frame (10<sup>1</sup>/<sub>8</sub>" dia.)
  - 41243A Snoot (Set of 3)
  - 412194 Molesnoot (Five-in-one)  
Apertures: 3", 4", 5", 6" and 7".
  - \*412121S Half Single Moledura Scrim—  
Stainless Steel Screen (10<sup>1</sup>/<sub>8</sub>" dia.)
  - \*412121D Half Double Moledura Scrim—  
Stainless Steel Screen (10<sup>1</sup>/<sub>8</sub>" dia.)
  - \*412122S Single Moledura Scrim—  
Stainless Steel Screen (10<sup>1</sup>/<sub>8</sub>" dia.)
  - \*412122D Double Moledura Scrim—  
Stainless Steel Screen (10<sup>1</sup>/<sub>8</sub>" dia.)
- All of the above light control accessories are available for fixtures ordered with 12" diffuser clips instead of the standard 10<sup>1</sup>/<sub>8</sub>" clips.
- 81861 Safety Cable
  - 412B Blue Molocolor Daylight Conversion Filter
  - G138 Scrim Bag
  - 412340 Scrim Box
  - 507412 Shutter
  - 1201 C-Clamp
  - 1671 Junior Extension Arm
  - 1721 Junior Wall Plate
  - 1731 Junior Trombone
  - 500114 Stand Extension
  - 500152 Junior Stand Bracket
  - 500165 Hanger Adapter
  - 500182 Hanger Adapter
  - 500191 Junior Wall Sled
  - 500229 Set Wall Bracket
  - 500287 Bazooka
  - 500305 Trapeze
  - 500350 Heavy Duty Ball Bearing C-Clamp and Adapter Assembly
  - 500353 Heavy Duty Ball Bearing C-Clamp and Adapter Assembly
  - †500403 Adjustable Hanger Group
  - †500424 Telescoping Hanger Group
- †Refer to Hanger Section

## STAND SUBSTITUTIONS

- 1411 Junior Size Low
- 1561 Junior Size Sky-Hi
- 500476 Junior Size Litewate
- 500557 Junior Size Litewate Location—  
less casters
- 500563 Junior Size Litewate Location—  
with casters
- 500791 Junior Size Sky-Hi Litewate  
Location less casters
- 500801 Junior Size Sky-Hi Litewate  
Location—with casters

## SPECIFICATIONS

**HEAD:** Type 412, 2,000 watts.  
**RATING:** 120/240 volts, A.C. or D.C.,  
 16.7 amps max. —2,000 watts max.  
**SOCKET:** Mogul Bipost. Spring loaded contacts.  
**SWITCH:** Toggle switch mounted in lamp trough.  
**CABLE:** 25 feet, Type S, 3 conductor #12 AWG  
 (when ordering specify type of plug required).  
**CONSTRUCTION:** Rugged, light sheet steel with  
 interlocking channels for ventilation.  
**YOKE:** Cast aluminum with removable 1<sup>1</sup>/<sub>8</sub>"  
 steel yoke pin.  
**CONDENSER:** 9<sup>7</sup>/<sub>8</sub>" dia. Fresnel lens of Pyrex  
 glass. 20° to 55° field angle.  
**MIRROR:** Alzak aluminum.  
**FOCUSING:** Easy action paddle-type handles.  
 Front and rear.  
**SIZE:** 16<sup>1</sup>/<sub>8</sub>" x 14<sup>1</sup>/<sub>4</sub>" x 16<sup>1</sup>/<sub>2</sub>".  
**FINISH:** Baked Maroon Enamel.  
**HEAD WEIGHT:** 22<sup>1</sup>/<sub>2</sub> lbs.  
**CABLE WEIGHT:** 5 lbs.  
**STAND:** Type 410138 Junior Size Standard.  
 Accepts 1<sup>1</sup>/<sub>8</sub>" dia. yoke pin.  
**LOW:** 43 inches.  
**HIGH:** 100 inches (2 extensions).  
**FOLDED FOR STORAGE:** 39<sup>7</sup>/<sub>8</sub> inches.  
**STAND TOP TO LIGHT CENTER:** 14<sup>1</sup>/<sub>2</sub> inches.  
**STAND WEIGHT:** 25 lbs.

## GLOBE TABLE

### TYPE 412 JUNIOR SOLARSPOT®

Base, mogul bipost. Burn within 45° of vertical  
 base-down. T-7, T-8, T-9<sup>1</sup>/<sub>2</sub>, 5" L.C.L.

Watts	Ordering Code	Color Temp. °K	Finish	Volts*	Life Hours	Amps
2000	CYX	3200	Clear	120	250	16.7
1500	CXZ	3200	Clear	120	300	12.5
1000	CYV	3200	Clear	120	200	8.3

Globes not included in price of lamp.

See price list for complete details.

## PERFORMANCE DATA

### TYPE 412 JUNIOR SOLARSPOT®

Using CXY 2,000 watt, 120 volt, 3200°K  
 quartz globe.

Distance Feet	Light Intensity F. C.		Beam Diameter* Feet	
	Max. Flood	Min. Spot	Max. Flood	Min. Spot
10	440	3920	13.3	1.6
15	196	1745	19.9	2.5
20	110	1000	26.5	3.4
25	70	640	33.1	4.3
30	49	445	39.8	5.1
35	36	330	46.4	6.0
40	28	250	53.0	6.8
45	22	200	59.6	7.7

\*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.

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