



Mole-Richardson Co.

TYPE 4251

**20,000 WATT
MOLEQUARTZ®
SOLARSPOT®**



FEATURES

The brightest Tungsten lighting fixture is now available in 20,000 watt configuration. The globe, in conjunction with the traditional 24³/₄" Fresnel lens, allows increased light output 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. Ideal for basic set lighting techniques in Motion Picture, Television and the Professional Photographic Industries. Equipped with safety screen.

TYPE 4251 MOLEQUARTZ®
20K SOLARSPOT® MOUNTED ON
TYPE 500572 FOLDING
CRANK-UP LIGHTWEIGHT STAND.



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TYPE 4251 20,000 WATT MOLEQUARTZ® SOLARSPOT®



GLOBE TABLE

Base, mogul bipost. Burn within 45° of vertical base-down. 13.937 L.C.L T32 Bulb.

Watts	Ordering Code	Color Temp.°K	Finish	Life Hours	Volts	Amps
20,000	BCM	3200	Clear	300	208	96.2
20,000	BCM	3200	Clear	300	220	91.0
20,000	BCM	3200	Clear	300	240	83.3

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

SPECIFICATIONS

HEAD: Type 4251, 20,000 watts.
RATING: 240 volts, A.C. or D.C., 100 amps max.—20,000 watts max.
SOCKET: Mogul Bipost. Spring loaded contacts.
SWITCH: 100 amp., quick-make, quick-break. Mounted in trough.
CABLE: Attached 3 ft. #4/1 Entertainment Cable with #6/1 green ground 100 Amp Bates and MC258G plug. (Specify type of plug when ordering)
HEAD CONSTRUCTION: Light 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. curved Fresnel lens 21.8° to 66.5° field angle.
REFLECTOR: Alzak aluminum.
FOCUSING: Rear Rotating Hand Crank.
FINISH: Clear aluminum anodized.
SIZE: 33" x 33" x 29 3/4".
HEAD WEIGHT: 98 1/2 lbs. (w/cable)

ACCESSORIES

- 680175 4 Way Barn Door (4 Leaf 29")
- 450481A Moledisc Diffuser Frame (29" dia.)
- 450746 Molering Frame
- 450762S Half Single Moledura Scrim (29" dia.)
- 450762D Half Double Moledura Scrim (29" dia.)
- 450763S Single Moledura Scrim (29" dia.)
- 450763D Double Moledura Screen (29" dia.)
- G140 Scrim Bag
- 518 Shutter
- 51836 Shutter Box
- 6611 DMX Shutter Motor
- 450816 Clear Lens
- 635187 Extension Arms (Set of 3)
- 34724 Flat Diffuser Frame (Solid 4' x 4') Type 635187 Extension Arm needed for mounting
- 425100 Square Tube Diffuser Frame (Breakdown 4' x 4') Type 635187 Extension Arm needed for mounting
- 1921 20KW to 10KW Socket Adapter
- 42553 Molebooster (208V to 240V)
- 42540 20K Dimmer
- 5001507 100 Amp Extension Cable/220 Volt—25ft.
- 500572 Folding Crank-Up Lightweight Stand (See Stand Section for more information & options)



Type 680175
4-Way Light Shield



Type 450481A
Moledisc Diffuser Frame



Type 42540
20K Dimmer



Type 635187
Extension Arm
(Set of 3)



Type G140
Scrim Bag

PERFORMANCE DATA

Distance in Feet	Using KP200, 20,000 watt, 220 volt, 3200°K quartz globe			
	Light Intensity F.C.		Beam Diameter* Feet	
	Max. Flood	Min. Spot	Max. Flood	Min. Spot
10	4,275	21,900	9.9	2.1
15	1,900	10,200	14.9	3.3
20	1,070	6,975	19.8	4.3
25	885	4,465	24.8	5.3
30	474	3,100	29.7	6.4
40	265	1,745	39.6	8.5
50	170	1,115	49.5	10.7
75	76	495	74.3	16.0
100	43	280	99.0	21.3
125	27	180	123.8	26.7
150	19	124	148.5	32.0

*Light tapers smoothly at edge of field. Dimensions listed define flat area boundaries at which the intensities are approximately 50% of tabulated intensities at beam center.

