



Mole-Richardson Co.

TYPE 6791

**12,000/18,000 WATT
DAYLITE PAR®**



Type 6791 12/18K DayLite Par With
Mounted on
Type 500572 Senior Size
Crank-Up Litewate Stand

FEATURES

The 12/18kW DayLite Par is designed for Motion Picture, Television, and Event Professionals worldwide. The combination cast and sheet aluminum construction features dramatically improved strength and cooling while the Brytal Aluminum parabolic reflector provides over 95% reflectivity. The new 12/18K Par uses the larger and safer G51 socket designed to dissipate more heat, and eliminate potential arcing between pins. In addition, this new lamp will be supported from the collar and not by the pins alone, thus improving reliability and overall lamp life. The electronics in the fixture are contained in a low-profile trough totally isolated from the main housing, and feature a swing-out trap door for easy access to the igniter and safety switch. The fixture has visual and tactile focal indicators to determine lamp position and, when used with the interchangeable lenses, the field of light can be fine-tuned for optimum beam control. Other features include: a trough skid for operating and safe transportation; an adjustable yoke pivot point; a locking, hinged front door for easy lamping; and a "pig-tail" style electrical input. Standard on all fixtures are a stainless steel safety screen, spring loaded fourth accessory clip, and variable accessory clip positions located at either 90° or 45°. Compatible with all existing 21" accessories.



3

7



Mole-Richardson Co.

TYPE 6791

12,000/18,000 WATT DAYLITE PAR®



GLOBE TABLE

Base — Bipost, G51; Burn any position;
10 1/2" L.C.L.

Watts	Ordering Code	Color Temp. °K	Volts	Life Hours	Amps
12,000	HMI12000 SE/HR	5600	160	300	56.0
18,000	HMI 18000 SE/HR	5600	220	300	86.0
18,000	MSR 18000 SE/HR	5600	220	300	86.0

*The average color temperature decrease during life is .5°K-18°K per hour of operation. Globes not included in price of lamp. See price list for complete details.



Type 675119
Wide Split Lens



Type 635187
Extension Arm (Set of 3)



Type 680192
50' (15m) Head Cable

SPECIFICATIONS

HEAD: Type 6791, 12,000/18,000 watts

RATING: 240 volt, A.C., 85 amps max.

SOCKET: Heavy-duty G51 electrical grade porcelain body with friction type Bi-post brass inserts and external socket release.

CONTROL SWITCHES: ON and OFF pushbutton switches mounted on rear of fixture. May be re-ignited when hot.

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

CABLE: Attached 7-conductor, with male interlocking "Veam" type connector.

HEAD CONSTRUCTION: Cast and sheet aluminum.

YOKE: Aluminum tubing with aluminum trunion castings and 1 1/8" steel yoke pin.

REFLECTOR: Highly polished Alzak Parabolic reflector.

BEAM CONTROL: Four accessory lenses (listed below), used individually, change the beam pattern from Narrow to Extra Wide Flood. The beam pattern created by the lenses may be rotated within the diffuser clips for vertical or horizontal beam orientation. Further spot to flood adjustments can be made using the focus knob on the rear of the fixture.

FOCUS CONTROL: Adjustment knob on rear of fixture allows variable output.

FINISH: Silver Anodized, Black Powder Coat.

SIZE: 38"L x 26"W x 26"H.

HEAD WEIGHT: 118 lbs.

ACCESSORIES

675135 4-Way Light Shield

675117 Narrow Lens (Split) (21" dia.)

675118 Medium Lens (Split) (21" dia.)

675119 Wide Lens (Split) (21" dia.)

675120 Extra Wide Lens (Split) (21" dia.)

660186 Lens Box

416173S Single Moledura Scrim (21" dia.)

416173D Double Moledura Scrim (21" dia.)

G20020 Scrim Bag

635187 Extension Arms (Set of 3)

679110 12/18K DayLite Electronic System

500572 Senior Size Litewate Crank-Up Stand

(See Stand Section for more information & options)

BALLAST & HEAD CABLE

66065 12/18K Electronic Ballast (See Ballast Section for more information & options)

680192 Head Extension Cable—50 ft.

PERFORMANCE DATA

Using 12K and 18K, 5600°K HMI Lamp.

Distance	Clear Lens (5°)			Narrow Lens (7°)			Medium Lens (15° x 9°)			Wide Lens (28° x 10°)			Extra-Wide Lens (29°)		
	Spread/Feet	12K	F.C. 18K	Spread/Feet	12K	F.C. 18K	Spread/Feet	12K	F.C. 18K	Spread/Feet	12K	F.C. 18K	Spread/Feet	12K	F.C. 18K
10	2.0	149,400	180,000	2.4	43,200	73,000	3.9 x 2.4	28,800	51,300	7.2 x 3.9	12,600	24,300	8.8	7,200	13,500
20	4.0	37,350	45,000	4.8	10,800	18,750	7.8 x 4.8	7,200	12,825	14.4 x 7.8	3,150	6,075	17.6	1,800	3,375
30	6.0	16,600	20,000	7.2	4,800	8,200	11.7 x 7.2	3,200	5,700	21.6 x 11.7	1,400	2,700	26.4	800	1,500
40	7.9	9,337	11,250	9.7	2,700	4,612	15.6 x 9.7	1,800	3,206	28.7 x 15.5	787	1,518	35.2	450	843
50	9.9	5,976	7,200	12.0	1,728	2,952	19.5 x 12.0	1,152	2,052	35.9 x 19.4	504	972	44.0	288	540
75	14.8	2,656	3,200	18.0	768	1,312	29.2 x 18.0	512	912	53.9 x 29.2	224	432	66.0	128	240
100	19.8	1,494	1,800	24.1	432	738	38.9 x 24.1	288	513	71.8 x 38.9	126	243	88.0	72	135
150	29.7	664	800	36.2	192	328	58.3 x 36.2	128	228	107.7 x 55.3	56	108	132.0	32	60
200	39.6	373	450	48.2	108	184	77.8 x 48.2	72	128	143.6 x 77.8	31	60	176.0	18	33

*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.

