



Mole-Richardson Co.



TYPE 6801

**12,000/18,000 WATT
DAYLITE FRESNEL**



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FEATURES

The 12/18K DayLite Fresnel has been designed for Motion Picture, Television and Event professionals worldwide. Reminiscent of the 225 Litewate Brute Arc, this fixture features improved ventilation and cooling using engineered channels to direct convective air-flow through the fixture and sockets. The solid double walled sheet metal and cast aluminum construction eliminates spill light, while the 24" Borosilicate Fresnel lens combine with a 16" Brytal Aluminum reflector to provide unparalleled output and a smooth field from spot to flood. The low-profile trough isolates the electronics from the main housing and features a swing-out trap door for easy maintenance. Other features include: a rear grab bar, notched accessory clips and a trough skid; a pass-through yoke; a locking, tilt-out rear door and a "pig-tail" style electrical input. Also featured is a stainless steel safety screen, spring loaded fourth accessory clip, and variable accessory clip positions located at either 90° or 45°. This fixture is compatible with all existing 29" accessories.

TYPE 6801 DAYLITE FRESNEL
WITH SAFETY SCREEN MOUNTED
ON TYPE 500572 FOLDING
LITEWATE CRANK-UP STAND





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TYPE 6801 

12K/18K WATT DAYLITE FRESNEL



GLOBE TABLE

Base, Double-Ended with flying leads to ring terminal. Burn with arc horizontal $\pm 15^\circ$. T-24 bulb.

Watts	Ordering Code	Color Temp. °K	Finish	Volts	Life Hours
18,000	CSR 18000/DE	5600	Clear	225	300*
12,000	CSR 12000/DE	5600	Clear	160	300*

*The average color temperature decreases during life is $1/2^\circ\text{K}$ per hour of operation. Globes not included in price of lamp. See price list for complete details.

SPECIFICATIONS

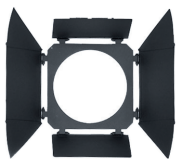
HEAD: Type 6801, 12,000/18,000 Watts.
RATING: 240 volt, A.C., 88 amps max.—18,000 watts max.
SOCKET: Spring loaded positive clamping (pair)
SWITCH: ON and OFF momentary push-button mounted on trough.
SAFETY SWITCH: Interlock micro-switch at door shuts off power to globe sockets when door is opened. Globe cannot be turned on until door is closed.
CABLE: Attached 7-conductor cable with interlocking "Veam" type connector.
CONSTRUCTION: Sheet aluminum housing and cast aluminum trough end caps.
YOKE: Tubular and cast aluminum with $1\frac{1}{8}$ " dia. steel yoke pin.
REFLECTOR: 16" dia. Brytal Finished, spherical.
FOCUSING: Hand crank at rear.
FINISH: Clear anodized and high heat black powder coated enamel.
SIZE: $47\frac{1}{4}$ " x $33\frac{1}{2}$ " x $33\frac{1}{2}$ "
HEAD WEIGHT: 150 lbs. (w/cable)

ACCESSORIES

- 680175 4 Way Barn Door (8 Leaf)
- 450481A Moledisc Diffuser Frame (29" dia.)
- 450746 Molering Diffuser Frame (29" dia.)
- 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 (4' x 4')
- 500572 Folding Crank-Up Liteweight Stand (See Stand Section for more information & options)

BALLAST & HEAD CABLE

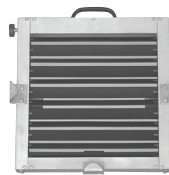
- 66065 12,000/18,000W Electronic Ballast (See Ballast Section for more information & options)
- 680192 Head Extension Cable—50 ft.



Type 680175
4-Way
Barn Door



Type
450763D
Double
Moledura
Scrim



Type 518
Shutter



Type 6611
DMX Shutter
Motor

PERFORMANCE DATA

Using a **12,000 watt HMI 5600K°** Metal Halide Lamp and Type 66065 12/18K Ballast.

Distance Feet	Light Intensity F. C.		Beam Diameter*—Feet	
	Max. Flood	Min. Spot	Max. Flood	Min. Spot
10	6,250	86,875	9.9	1.0
15	2,778	38,611	14.8	1.6
20	1,563	21,719	19.7	2.1
25	1,000	13,900	24.7	2.6
30	694	9,653	29.6	3.1
40	391	5,430	39.5	4.2
50	250	3,475	49.3	5.2
75	111	1,544	74.0	7.9
100	63	869	98.6	10.5
125	40	556	123.3	13.1
150	28	386	147.9	15.7
175	20	284	172.6	18.3
200	16	217	197.3	21.0

Using a **18,000 watt HMI 5600K°** Metal Halide Lamp and Type 66065 12/18K Ballast.

Distance Feet	Light Intensity F. C.		Beam Diameter*—Feet	
	Max. Flood	Min. Spot	Max. Flood	Min. Spot
10	7,813	103,125	9.9	1.5
15	3,472	45,833	14.8	2.2
20	1,953	25,781	19.7	3.0
25	1,250	16,500	24.7	3.7
30	868	11,458	29.6	4.5
40	488	6,445	39.5	5.9
50	313	4,125	49.3	7.4
75	139	1,833	74.0	11.1
100	78	1,031	98.6	14.9
125	50	660	123.3	18.6
150	35	458	147.9	22.3
175	26	337	172.6	26.0
200	20	258	197.3	29.7

*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.

