

the Musco-Light™

Academy Award®-winning lighting

The most powerful and innovative mobile lighting tool available, the Musco-Light™ provides an array of fifteen 6K HMI par lights generating over 120 million candlepower of light. Each Musco-Light is completely self-contained, self-sufficient and remote-controlled.

With an experienced technician and simplicity of design, the Musco-Light minimizes labor costs and setup time.

Over the past two decades, the Musco-Light has established itself as the tool of choice for large area special effect lighting. It's world-wide credits include hundreds of national and regional sports, telecasts, multiple Olympic games and many successful feature film productions.



We Make It Happen®
www.musco.com

FEATURES

- Fifteen 6K HMI par lights
- Operated by Musco Employees
- Remote control pan, tilt and focus of lighting instruments
- Up to 133 feet of height
- Magnetic ballasts
- Sound-attenuated generator included
- Gel frame for color correction/diffusion

COMPLETE LIGHTING SERVICES

- Consulting
- Technical Support
- On Site Management

APPLICATIONS

- Motion pictures
- Commercials
- Television
- Music videos
- Special Events
- Sports Events
- Construction
- Emergency



Musco Lighting received both an Emmy and an Academy Award for lighting advances in television and motion pictures.



Sports & Special Events

100 1st Ave West
Oskaloosa, IA 52577
Phone: 641/673-0411
Fax: 888/397-8736

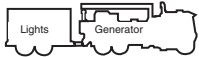
Nationwide:
800/825-6020

Film and Entertainment

15311 Barranca Pkwy
Irvine, CA 92618

Truck Specifications

Weight/Dimensions



Type A Truck

On Board Generator
16,500 lb. Front Axle
34,000 lb. Drive Axles
11,000 lb. Trailer Axles

Total Weight: 61,500 lb. or 31 Ton
Crane Model: National 875

In Transport:

Length w/trailer 55'
Length w/o trailer 35'
Truck width 8' 6"
Truck height 13' 6"

Trailer required for setup and teardown



Type B Truck*

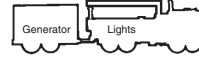
Towable Generator
15,500 lb. Front Axle
32,500 lb. Drive Axles
20,000 lb. Trailer Axles

Total Weight: 68,000 lb. or 34 Ton
Crane Model: National 875

In Transport:

Length w/trailer 55'
Length w/o trailer 35'
Truck width 8' 6"
Truck height 13' 6"

Trailer required for operation



Type C Truck*

Towable Generator
24,500 lb. Front Twin Axles
32,000 lb. Drive Axles
20,000 lb. Trailer Axles

Total Weight: 76,500 lb. or 39 Ton
Crane Model: National 990

In Transport:

Length w/trailer 60'
Length w/o trailer 38' 10"
Truck width 8' 6"
Truck height 13' 6"

Trailer required for operation



Type D Trailer**

On Board Generator
9,600 lb. Front Axle
22,000 lb. Drive Axles
33,500 lb. Trailer Axles

Total Weight: 65,100 lb. or 33 Ton
Crane Model: National 880

In Transport:

Unit length w/ tractor 48' 6"
Unit length w/o tractor 29' 6"
Unit width 8'
Unit width w/tractor 8' 6"
Unit height 13' 6"

**Cannot move after assembled.

*Tow Vehicle required if trailer must be moved after lights are assembled on boom. Pintel hitch on vehicle to match a 3" ID drawbar eye on trailer.

Generator

KW 150 min.
Voltage 480/277
Power Factor90>PF & 5%<THD
(total harmonic distortion)
Connection 3 phase, 5 wire
Fuel consumption 8 gph
Power Cables: Cam-lok 2/0 first 100' supplied
Cam-lok E1016 series or equivalent
4/0 required for longer runs

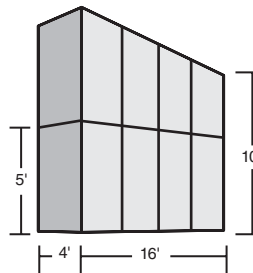
6K HMI Lamp Information

Color Temperature 5600K
Color Rendering Index (CRI) > 90

Gel/Diffusion Frame

Material Requirements

Gel Rolls:
(3) 4' wide x 25' long
Double adhesive tape
with roll gun:
½" x 36 yards length
(3 rolls)



Notes

1. Approximate time to gel all 15 frames: 2 hrs
2. Labor and cost for gelling is production company's responsibility

Dimensions

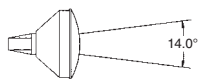
Setup with light rack on boom

Light rack 10' 7" w x 8' 4" h
Light rack w/gel frame 16' w x 10' h
Light rack height (Type A&B Trucks) 91'
Light rack height (Type D Trailer) 97'
Light rack height (Type C Truck) 108'
Light rack height w/Jib (Type A&B Trucks) 114'
Light rack height w/Jib (Type D Trailer) 119'
Light rack height w/Jib (Type C Truck) 133'
Crane front overhang stowed (Type D Trailer) 3'
Truck width (outrigger to outrigger Type A&B Trucks) 20'
Truck width (outrigger to outrigger Type C Truck & D Trailer) 24'

Setup/Strike: Approximately 1½ hours to setup or strike the Musco Light. Production is to provide one grip or electrical crew member to help the Musco technician with setup and strike.

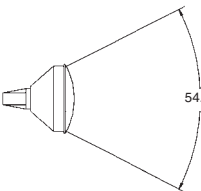
Photometrics

Individual Head



Spot Focus

Throw (ft.)	100	200	300	400	500	1000
Footcandles	1100	275	122	69	44	11
½ Peak Dia. (ft.)	13.2	26.3	39.5	52.7	65.8	131.7

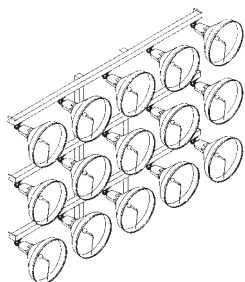


Flood Focus

Throw (ft.)	50	100	150	200	250	300
Footcandles	170.0	42.5	18.9	10.6	6.8	4.7
½ Peak Dia. (ft.)	53.2	106.3	159.5	212.7	265.9	319



Fifteen Head Array



Long Throw

Throw (ft.)	500	1000	2000	3000	5000
Footcandles	660.0	165.0	41.3	18.3	6.6
½ Peak Dia. (ft.)	65	131	263	395	658

Wide Flood

Coverage	200x200	400x400	600x600	800x800	1000x1000
Footcandles	140	70	25	8	4

The above photometric data is meant to provide approximate light levels at the respective distances and coverage area. Field conditions may vary. Computer generated plots are available upon request.



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800/825-6020

www.musco.com

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