



80' Tower 16 - Floodlights

RENTAL UNITS

Stadium Style TOWERS

16-1500w Power Flood Fixtures

80 Acres

Total Area Illumination

3,360,000 sq.ft with 2500ft Projection

Model#

BUMQ4516MH-E-80'-1500w

SPECIFICATIONS

16 - 1500w Metal Halide Floodlights * 80' Electric Telescoping tower with Special Safety Features.
MQ POWER GEN-SET, 45Kva Genset, 208Y/120V, 3ph, 60hz * Electric Utility Power onsite connection switch
24 Hours Running Time * Trailer or Skid Mounted

80 Acres -.5fc Ave Total Illumination



Wind Loads @ 40mph

RENTAL UNITS PAINTED - YELLOW



High Wind Speed Detection

Boss Stadium Light Towers are equipped with high wind speed detection system that will lower tower automatically when high wind is detected for over 5 seconds. While the tower is lowering a visual alarm will sound to alert site operators that high wind speeds have been detected.

OPTIONAL Less Diesel Genset

Units are designed to operate off of on-site utility power. Standard operating voltage will be 208y/120v, 3ph, 60hz.

SCOPE OF DESIGN: Model# BUMQ4516MH-80'-1500w is a Bossltg Exclusive for rental applications .
16-1500 watt Metal Halide Floodlights mounted on a 80 foot telescoping DUAL DRUM electric winched tower.
Floodlights are powered by a Water Cooled diesel Engine equipped with low oil and high water temperature shutdown. 45kva Generator, 208y/120v, 3ph, 60hz. Floodlight control panel. Push-button Winch controllers.
Trailer designed with SIX OUTRIGGERS. Wind Load Capacity at 80ft height is 40 mph . Red Beacon Light Status.
24 hour fuel tank. Trailer SUPPLIED with DOT towing package. 3" RING Coupler Standard
NOTE: Tower has an automatic stop feature at 80' height. Mechanical tower lock prevents tower from lowering.
FEATURE: High wind speed stability can be achieved by adding base weight to tower trailer. Factory Installed.
DIMENSIONS: 32.0FT L X 8.6'W X 9.0' T **TOTAL WEIGHT:** 14,000 LBS.

80' Stadium Light Towers vs Standard 30' Towers

Using 16 - 1500w Metal Halide Floodlights

"Cost Saving Comparison"

Stadium Tower Replaces 15 Standard 4-Light 30' Towers

One Stadium 60' Light Tower that will take the place of 15 - standard 30' commercial towers. How is this possible ?

Boss Stadium Towers combines High Mast Towers with Special Floodlight Projectors

At floodlight heights exceeding twice the height of standard light towers. 80' Boss Stadium Products use special lumen projecting floodlights. These floodlights project up to 2500 feet and spread the total volume of lumens of light equally throughout a 180 degree horizontal work area. The combination high mast towers and floodlight photometric control is what produces the uniformity of light over larger project site work areas.

Allowing One Stadium Tower to replace 15 Standard 30' Towers

As much as 80 acres of light at .05 foot candles average maintained.

Fuel Cost Savings:

One Stadium Light Tower will consume an average of 150 gallons of diesel over a 60 hour period.

Average fuel consumption per hour being 2.5 gph. The going cost of \$4.00 per gallon cost of fuel for 60 hours will be \$600.00.

15 standard light towers will consume a total of 450 gallons of diesel over 60 hours. At \$4.00 per gallon this will be a fuel cost of \$ 1800.00 per 60 hours.

This equates to a fuel savings of \$1200.00 every 60 hours of operation by using one Stadium Tower vs using 15 standard 30' light Towers. Total Monthly saving could be as much as \$4200.00, every month.

Labor Saving of fueling Light Towers:

One Stadium Light Tower will need to be re-fueled an average of 2x every 60 hours . Compared to 15 Individual Standard towers being re-fueled every 60hrs. The labor fueling cost is reduce by 13x by using a stadium tower compared to using 15 standard 30' towers.

Savings to Service Diesel Engines Every 250 hours:

Every 250 hours the diesel engine on any light tower will require servicing which will include changing fluid oil, oil filters, fuel and air filters.

The cost of just the components to perform this service averages \$125.00 per engine tower.

Plus the cost of environmental disposal of oil/filters which has its own cost of \$49.00 per unit per month.

Total labor, parts and disposal costs per month averages \$300.00 per any tower. Using 15 Standard 30' towers is 14x more the cost than using One single Stadium Tower.

Possible Transportation Savings:

60' Stadium Towers can be delivered two per truck load. It would take 3x the truck loads when using standard 30' towers.

Call Toll Free for Quote: 866-442-0260 x 102 - email: sales@bossltg.com

BossLTR will deliver throughout USA & CANADA