



**BUMQ4516MH-E-100'-1500W**

**100' 16 Floodlights Skid Mount**

**RENTAL UNIT**

**16-1500w Power Flood Fixtures**

**100 Acres**

Exclusive on all Bossltg Stadium Light Towers

Automatic High Wind Tower Lowering System

**SPECIFICATIONS**

16 - 1500w Metal Halide Floodlights \* 100' Electric Special Telescoping with Tower safety features.  
 MQ Power 45Kva Genset, 208Y/120V, 3ph, 60hz \* Electric Utility Power onsite Connection switch.

Special Design Water filled Skid base only for 100' Tower rental units

**HIGH WIND MONITORING with AUTOMATIC TOWER LOWERING**

100 Acres -.5fc Ave Total Illumination



**Wind Loads @ 60mph**

*OILFIELD UNITS PAINTED - WHITE*



**HIGH WIND SHUTDOWN**

High wind detection system that will lower tower automatically to nesting position when sensing wind speeds over set standards for application requirements.

**AUTOMATIC STOP AT 100'**

Tower will automatically stop at 100' and at the same time mechanical lock with secure the tower and prevent from lowering.

**WATER FILLED SKID DRUM BASE**

Water filled skid base that is added on job-site to provide the added base weight required to support tower at its 100' height without guide wires.

**SCOPE OF DESIGN:** Model# BUMQ4516MH-E-100' 1500W is the only Portable Stadium Tower of its kind. 16-1500 watt Metal Halide Floodlights mounted on a 100 foot Electric controlled pivoting and telescoping 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. Extended stability with added OUTRIGGERS. Wind Load Capacity at 100ft height is 40 mph. Wind Speed Monitor is set to lower at 35mph, 5 sec. 79 gallon / 24 hour fuel tank. Trailer SUPPLIED with towing package. 3" RING Coupler Standard  
 NOTE: This is a specialize stadium style light tower that can be produced with a 90 day notice of rental from client. Demo of this special unit is available upon request. 360 degree lighting pattern is standard for this package that will allow for over 100 acres of security lighting. Higher Wind Load Speeds are available upon request...

**DIMENSIONS:** 36ft L x 8.6ft W x 9.0ft T

**WEIGHT:** 16,000 lb. DRY

# ***100' 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**