



**ESSEX ELECTRO  
ENGINEERS, INC.**

2015 Mitchell Blvd Schaumburg, IL 60193

Phone: 847-891-4444

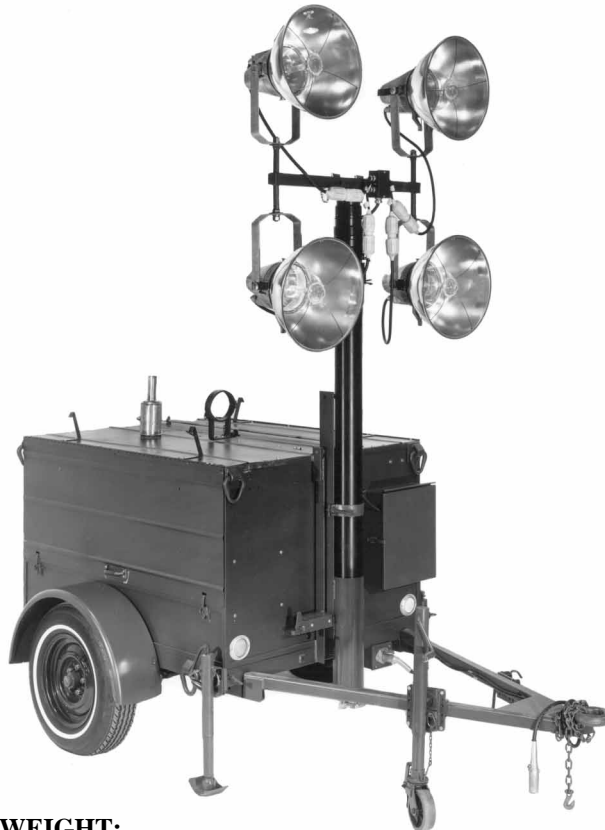
Fax: 847-891-9111

Web: essexelectro.com

**TECHNICAL DATA SHEET  
PORTABLE FLOODLIGHT SET  
MODEL NO. B488**

**COGNIZANT SERVICE: U.S.A.F.**

**NATIONAL STOCK NUMBER:**



**OVERALL DIMENSIONS AND WEIGHT:**

**Height: 67 Inches**

**Length: 127 Inches**

**Width: 71 Inches**

**Weight (Dry): 2,450 Lbs.**

**FUNCTIONAL DESCRIPTION:**

The Essex Electro Engineers, Inc. Model B488 is designed for lighting remote locations where electrical power is not readily available. The unit is capable of supplying 6 KW, 120/240 volt, 3 wire, 60 cycle power.

The Model B488 consists of a two-wheel trailer, mounted with a diesel-engine driven generator, telescoping tower, and four 1,000 watt floodlights. The floodlights and all electrical equipment are provided with a weatherproof storage compartment.

The Floodlight Set is designed to operate in inclement weather conditions in any ambient temperature from -25°F to +125°F (-31.7°C to +50°C).

The trailer is equipped with hand operated brakes, tow bar with an adjustable length type landing leg with a swivel caster wheel. Adjustable swivel type jack stands are attached to extendible and retractable outriggers to level and stabilize the complete, free-standing floodlight set on a 5° slope. The jacks and outriggers lock in a retracted position for towing.

A pneumatically operated, telescoping tower mounted on the floodlight set chassis is provided. The tower assembly has provisions for securely mounting four 1000 watt size floodlights. Optional portable telescoping tripods with 500 watt floodlights are available.



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**TECHNICAL DESCRIPTION:**

POWER OUTPUT ..... 6 KW, 120/240 Volt, 3 Wire

TRAILER AND CABINET ..... Welded steel with two pneumatic tires - P205/75R15. Provided with hand operated, expanding shoe type brakes and a 3-inch I.D. lunette eye for towing.

Towing Speeds ..... 50 mph on improved roads 15 mph on unimproved roads

**OPERATING CAPABILITIES:**

Ambient Temperature ..... -25°F to + 125°F

Humidity ..... 100%

Altitude ..... 0 to 6000 feet

Deflection ..... 5 degrees

FLOODLIGHTS ..... Four - 1000 watt, 120 volt metal halide

MAST ..... Pneumatically telescoping 28 foot, fully rotational tower

LEVELING JACKS ..... Four each, with swivel pads and outriggers.

AIR COMPRESSOR ..... Electric motor driven, 120 VAC

**ELECTRICAL SYSTEM:**

DC ..... One 12-volt storage battery

AC ..... 6 KW, 120/240 Volt, 3 Wire, 60 Hz, 1800 RPM, Brushless

**POWER SUPPLY:**

Diesel Engine ..... Two cylinder, four cycle, 12 HP at 1800 RPM

Fuel ..... DF-1, DF-2 and JP4

Fuel Tank Capacity ..... 18 Gallons

**CONTROLS AND**

**INSTRUMENTATION** ..... Panel mounted, convenient to operate; identified by nameplates.

**PHYSICAL DIMENSIONS - TOWING CONFIGURATION:**

Length ..... 127 inches

Width ..... 71 inches

Height ..... 67 inches

Weight ..... 2,450 Lbs. (Dry)

**OPTIONS:**

Mast ..... Hand crank, mechanical type

Tripods ..... Portable, telescoping to 13-foot high

Floodlights ..... 500 Watt, 120 Volt, quartz iodine