



## Trakkabeam® M800

**The most advanced searchlight available for law enforcement, search & rescue, firefighting and military applications.**

Trakkabeam® searchlights deliver the benefits of the latest generation in searchlight technology: innovative, multi-mission capable, light-weight, compact and cost effective.

### **SUPERIOR BEAM PROFILE**

Trakkabeam's unique optical design utilizes a Xenon lamp half the size of traditional searchlights to deliver a more intense and consistent beam on the target – where you need it.

The precision design of the optical elements in relation to the arc source is responsible for the effective collimation and reduction of stray light. This eliminates the black hole seen at the center of vision of conventional searchlights and provides an even beam with energy at the edges to avoid lost targets.

### **UNIQUE INTERNAL FILTER WHEEL**

Trakkabeam® includes the industry's only integrated, multi-filter solution. Up to six different filters can be activated at the touch of a button via remote control conveniently located inside a vehicle, the bridge of a ship, or command /control center.

Filters can range from extremely covert IR to ultra-violet. Others can reduce the glare from fog or white sand, or can enhance natural color in the target field. The internal design of the filter wheel expands mission capabilities, reduces bulk and weight, and also reduces costly maintenance.



### **MORE EFFICIENT & COST EFFECTIVE**

Trakkabeam® offers the highest MTBF (mean time between failures) in the industry. This, together with the standard 12 month warranty, makes it the most cost effective advanced searchlight package available.

### **COMPACT & LIGHTWEIGHT**

The Trakkabeam® M800 has been designed for the most demanding applications. Whether your needs are for land or sea, Trakkabeam's advanced design delivers superior searchlight performance while reducing system weight and envelope size.

Trakkabeam® M800 searchlights offer a range of options to suit specific needs. These options include manual and electronic turrets, custom designed spectral filters, and more.

**Trakkabeam® M800 is ideal for the military, law enforcement, and security industries. For maritime and other harsh environments, Trakka combines the superior performance of the standard M800 in a ruggedized platform with special coatings to improve long term survivability and reduce periodic maintenance.**



## Trakkabeam® advanced Searchlight solutions:

### Trakkabeam® M800

- Fixed-site and mobile, vehicle applications
- Lightweight, versatile portable mounting systems available
- Fixed or motorized mounting platforms available
- Lightweight, efficient and cost effective
- Low maintenance costs
- Available in a ruggedized platform for harsh environments
- Software controllable via an RS-232 bus

All Trakkabeam® searchlights are available with the advanced one-touch internal filter system to suit varying mission requirements. Trakka Systems proudly backs the M800 searchlight system with a limited 12 month factory warranty.

#### PERFORMANCE SPECIFICATIONS

Watts	800
Lumens total	22,500
Beam angle (focus)	4.3° - 13.2°
Diameter at 3300 ft (1 km)	181 ft (55 m), 40% of peak illuminance
Recycle time	Not required

#### MECHANICAL SPECIFICATIONS

##### SEARCHLIGHT

Size	Diameter: 7.87 in. (200 mm) Length: 21.0 in. (534 mm)
Weight	14.0 lbs. (8.4 kg)

##### GIMBAL / MOUNT

Optional configurations available (Optional mount shown)

##### POWER SUPPLY

Size	3.93 x 9.06 x 13.78 in. (100 x 230 x 350 mm)
Weight	8 lbs. 13 oz. (7.3 kg)

##### TOTAL SYSTEM WEIGHT

**24 lbs (16.0 kg)**

#### ELECTRICAL SPECIFICATIONS

##### Power supply options:

Input voltage range (DC)	24V = 21.0 – 29 VDC
Input voltage range (AC)	100 – 250 Volts (50 or 60 hz)
Input current (DC)	24V = 38 - 42 amps nominal
Input current (AC)	110V = 8 – 12 amps nominal 240V = 4 – 6 amps nominal

#### OPTIONS

- Internal filter wheel with up to 6 filters
- Manual or electronic turret
- Storage and Carrying case
- Portable 28VDC @ 100Ah battery pack



**Trakka Corp Pty Ltd**  
23 Kilpa Road, Moorabbin  
Victoria 3189 Australia  
Phone: +61 3 9553 3000

**Trakka Systems AB**  
Stationsvägen 46  
640 43 Ärla Sweden  
Phone: +46 16 708 60

**Trakka USA LLC**  
6817b Academy Parkway East NE  
Albuquerque New Mexico 87109 USA  
Phone: +1 505 345 0270