



# trakkacorp

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## tactical searchlights

The most advanced searchlights available for  
airborne, marine, law enforcement, search & rescue,  
firefighting and military applications.



[www.trakkacorp.com](http://www.trakkacorp.com)

# Trakkabeam® A800

## SUPERIOR BEAM PROFILE

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

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 which obscures the center of vision of conventional searchlights. The Trakkabeam has no black hole and provides an even beam with energy at the edges to avoid lost targets.

## UNIQUE INTERNAL FILTER WHEEL

Trakkabeam® includes the industry's only in-flight, multi-filter solution. Up to six different filters can be activated at the touch of a button from inside the cockpit. Filters can range from extremely covert IR to ultra-violet. Different filter options 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.

## DO-160E TESTED AND CERTIFIED FOR PERFORMANCE AND RELIABILITY

The Trakkabeam® A800 system has been rigorously tested and certified to DO-160E standards by internationally recognized laboratories in the United States and Australia. This series of critical tests includes lightning strike, vibration, AF and RF Susceptibility, Magnetic Effect, and many more. This certification helps ensure a trouble-free and reliable searchlight system when installed.

Trakka Corp proudly backs the A800 searchlight system with a limited two year factory warranty.

## MORE EFFICIENT & COST EFFECTIVE

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

## MARITIME

For maritime applications, the Trakkabeam® A800M combines the superior performance of the A800 in a ruggedized, marine-ready platform. The A800M is ideally suited for Coast Guard, Harbor Patrol, and many other industrial and commercial applications.



## Trakkabeam® A800

### Performance Specifications

Watts	800
Lumens total	22,500
Peak Illuminance @ 1km	21 lux (2.0 ft-cd)
Beam angle (focus)	4.3° - 13.2°
Diameter at 3300ft (1km)	249ft (76m), 40% of peak illuminance
Recycle time	Not required
Gimbal control	2 Axis remote
Rotation	Azimuth: +180° / -180° (non-continuous) Elevation: +35° / -90°
Slew rate (variable)	Azimuth: 0 to 60 degrees per sec Elevation: 0 to 60 degrees per sec.
Serial communication	RS232 (std.), RS422 or RS485 (opt.)

### Mechanical Specifications

Searchlight/gimbal assembly	
Envelope Size (minimum)	Height: 18.82 in. (478mm) Width: 16.41 in. (417mm)
Envelope Size (maximum)	Height: 23.30 in. (592mm) Width: 17.36 in. (441mm)
Weight (searchlight/gimbal)	44.20lbs. (20.05kg)
Total System Weight (typical)	69.6lbs. (31.57kg) including cables
Power supply (wiring junction)	
Size	5.1(H) x 9.33 (W) x 16.69 (L) in. 129.5 (H) x 237 (W) x 424 (L) mm
Weight	15.76 lbs (7.15kg)

### Electrical Specifications

Input range	22 to 32 volts DC
Input current	< 40 amps at 28 volts nominal

### Options

- Dual controls with pilot priority switching
- Internal filter wheel with up to 6 filter positions (white plus five)
- Smart drive for RS-422 or RS-485 slaving capability
- Stabilised platform (gimbal) - Inquire for availability
- Grip hand control
- Installation cabling kits

Trakkabeam® A800 searchlights are produced in Trakkacorp's **ISO9001/AS9100** certified, world-class manufacturing facilities.

Trakkabeam® A800 is the choice of professionals for airborne law enforcement, search & rescue, fire fighting and military applications.



## Trakkabeam® A800

Trakkabeam® searchlights deliver the benefits of the leading innovation in searchlight technology.

- multi-mission capable
- highest level of performance
- reliability
- compact and cost-effective
- DO-160E & DO-178 Compliant

For more information, or to find your nearest international Trakka Corp office or representative please visit [www.trakkacorp.com](http://www.trakkacorp.com)

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This information is provided for reference only. Specifications are subject to change without notice.