



The most advanced searchlights available for airborne and marine 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 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. 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 two-year warranty, makes it the most cost-effective advanced searchlight package available.

* PATENT-PENDING

www.trakkacorp.com

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

© 2007 Trakka Corp Pty Ltd. All rights reserved.

Trakkabeam® - A800



Trakkabeam® A800 is the choice of professionals for airborne law enforcement, military, and security industries. 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.

DO-160E TESTED AND CERTIFIED FOR PERFORMANCE AND RELIABILITY

The Trakkabeam® A800 system has been rigorously tested and certified to DO-160E standards at 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.

Trakkabeam® A800 searchlights offer a range of options to suit specific needs. Options include stabilized platforms, slaving to thermal imaging and moving map systems, dual control capability, and more.





Trakkabeam[®] advanced Searchlight solutions:

PERFORMANCE SPECIFICATIONS

Watts	800
Lumens total	22,500
Peak Illuminance @ 1km	21 lux (2.0) ft-cd
Beam angle (focus)	2.9° - 9°
Diameter at 3300 ft (1 km)	181 ft (55 m), 40% of peak illuminance
Recycle time	Not required
Gimbal control	2 Axis remote
Rotation	Azimuth: +180° / -180° (non-continuous) Elevation: +35° / -72°
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: 18.35 in. (466 mm) Width: 16.65 in. (423 mm)
Envelope Size (maximum)	Height: 23.48 in (596 mm) Width: 17.80 in. (452 mm)
Weight (searchlight/gimbal)	38.39 lbs. (17.4 kg)
Total System Weight (typical)	64.31 lbs. (29.16 kg) including cables

POWER SUPPLY (WIRING JUNCTION)

Size	4.92H x 9.17W x 15.75L in. (125H x 233W x 400L mm)
Weight	12.2 lbs (5.5 kg)

ELECTRICAL SPECIFICATIONS

Input range	24 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 filters
Slip-ring for 360° continuous rotation
Smart Drive for RS422 or RS485 slaving capability
Stabilized platform (gimbal)

Trakkabeam[®] A800



- ⊕ Helicopter and fixed-wing aircraft
- ⊕ Marine applications
- ⊕ Lightweight, bright and cost effective
- ⊕ 360° azimuth rotation (non-continuous) standard, 360° continuous rotation option available
- ⊕ DO-160E tested and certified
- ⊕ Adjustable software and mechanical stop limits to ensure DO-178 compliance
- ⊕ Integral slaving for most thermal imaging, camera and moving map systems

All Trakkabeam[®] searchlights are available with the advanced one-touch internal filter system to suit varying mission requirements.

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

For more information, please visit www.trakkacorp.com or contact us for your nearest international Trakkabeam[®] distributor.

In the U.S. contact:

Shawn Mitschelen - VP Marketing & Sales
PMB 297
5901-J Wyoming Blvd. NE
Albuquerque, New Mexico 87109
Cell: (505) 850-6648
Email: shawnm@trakkacorp.com

Your local Distributor:



Trakkabeam[®] searchlights are designed and manufactured by Trakka Corp.

Trakka Corp' founders have been at the forefront of the design and development of power photonics, imaging systems and high voltage power supplies, since the early 1980's.

Today's products are the culmination of many years of intensive research into all aspects of searchlight technology.

Trakka Corp is committed to the ongoing development and delivery of innovative products that set new standards in illumination technology.

Headquarters:

Trakka Corp Pty Ltd
23 Kilpa Road
Moorabbin, Victoria 3189
Australia
Phone: +61 3 9553-3000
Fax: +61 3 9553-0500
Email: info@trakkacorp.com