



TrakkaBeam® A800 M (Marine)

The A800 M's rugged design and unique performance attributes make it the ultimate marine searchlight.

SUPERIOR BEAM PROFILE

The TrakkaBeam's unique optical design and proprietary Xenon lamp deliver a more intense and consistent beam where you need it - on the target!

Trakka's precise and efficient optical design reduces stray light and outperforms traditional searchlight technology which uses twice the power. The TrakkaBeam® has no black hole in the centre and provides an even beam with energy at the edges to avoid lost targets.

UNIQUE INTERNAL FILTER WHEEL

TrakkaBeam® includes the industry's only internal, multi-filter solution. Up to six different filters expand mission capabilities and can be activated at the touch of a button from the helm. Filters can range from extremely covert IR to ultra-violet. Specific filter options have been developed to enhance visibility in marine environments.

DO-160F TESTED AND CERTIFIED FOR PERFORMANCE AND RELIABILITY

The TrakkaBeam® A800 M has been rigorously tested and certified to DO-160E standards by internationally recognized laboratories in the United States and Australia. This certification helps ensure a trouble-free and reliable searchlight system when installed. Trakka Systems proudly backs the A800 M searchlight system with a comprehensive 12 month factory warranty.

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.

MARITIME MISSIONS

The A800 M is a ruggedized, marine-ready platform. It is ideally suited for Coast Guard, Harbour Patrol, Anti-Piracy Measures, Hazardous and Remote Object Illumination, and Navigation. These missions require clear visibility in all weather conditions. Trakka's unique filter technology enhances visibility and identification of objects in the water. Filters such as the amber filter enable searchlight usage in all weather conditions including fog, rain and humidity, by eliminating white light reflection which in moist conditions can make a searchlight far less effective. The infra-red filters work in conjunction with Night Vision Optics. Specialised filters can also be used for environmental protection purposes including Oil Spill Detection.



TrakkaBeam® advanced Searchlight solutions:

TrakkaBeam® A800 M

- Multi-mission capable
- Reduced weight and lower power consumption
- DO-160F certified & DO-178 compliant
- Ease of removal and installation
- Smart electronics
- NVG compliant
- US military tested and compliant to MIL-STD-810G

PERFORMANCE SPECIFICATIONS

Watts	800
Lumens total	22,500
Beam Width (focus)	4.3 ° - 13.3°
Diameter at 3300ft (1 km)	249ft (76m), 40% of peak illuminance
Gimbal Control	2 Axis remote
Rotation	Azimuth: +180°/-180° (non-continuous) Elevation: +35°/90°
Slew Rate Variable	Azimuth: 0-60° per second Elevation: 0-60° per second
Serial Communication	RS232 (std), RS422 or RS485 (opt)

MECHANICAL SPECIFICATIONS

SEARCHLIGHT ASSEMBLY

Envelope Size (min)	Height: 18.82 in. (478mm) Width: 16.41 in. (417mm)
Envelope Size (max)	Height: 23.30 in (592mm) Width: 17.36 in (441mm)
Weight (searchlight/gimbal)	41.8lbs (19kg)

POWER SUPPLY (WIRING JUNCTION)

Size	5.83(H) x 5.51(W) x 11.57(L) in. 148(H) x 140(W) x 294(L) mm
Weight	11.49lbs. (5.2kg)

ELECTRICAL SPECIFICATIONS

Input Range	22 - 32 VDC
Input Current	<40 amps @ 28Volts Nominal
Starting Time	1 second
Recycle Time	None

OPTIONS

NVG compliant cockpit/helm control panel
Amber, Near Red, NVIS Friendly White, 820nm, 880nm & 940nm IR filters
Integrated slaving for TRAKKA, FLIR, WESCAM, SWE, LEO & CINEFLEX cameras
NVG compliant backlit grip control
Dual grip control with priority switching
Laser pointer
Customised installation cable kits



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