



TrakkaBeam® TLX-M

The TLX-M is ruggedized, multi-spectral maritime searchlight. 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 humid conditions can make a searchlight far less effective. The infra-red filters provide a covert lighting source for low light cameras and night vision devices.

HIGHER INTENSITY

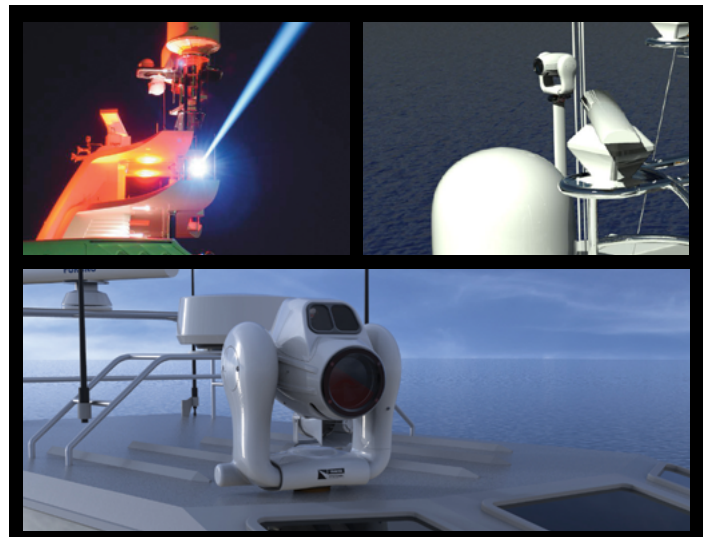
Building on Trakka's reputation for industry leading optics the TLX-M produces an incredible volume of light across the entire beam, greatly enhancing your night-time operational effectiveness. Like in all Trakka searchlight products, the bespoke optics provide an efficient and even beam, from the centre all the way to the edges, resulting in the industry's brightest and most uniform beam.

REAL TIME FILTER SELECTION

The TLX-M also includes Trakka Systems unique, embedded multi-filter solution. Up to six different filters can be selected in less than 1 second at the touch of a button from inside the helm. The TLX-M's new filter combinations can be configured to your requirements allowing the observer to have enhanced night-vision, with increased transmission of energy in all wavelengths.

ENHANCED POWER AND OPERATIONAL EFFICIENCY

With the latest design enhancements, the TLX-M not only delivers 25% more light than the A800 M, but at the same time draws 11% less power to run the lamp due to an enhanced power management system. In addition, the weight of the Power Control Unit has been reduced by 24%. An improved heat management system ensures the TLX-M runs cooler, even in extremely hot environments.



MISSION INTEGRATION WITH UNPARALLELED ACCURACY

Trakka Systems has taken maritime searchlight technology to the next level. The TLX-M includes a 2 axis inertially stabilized gimbal, greatly reducing operator workload while increasing mission effectiveness. The TLX-M also includes camera slaving to allow for slaving the searchlight line of sight to the EO/IR camera line of sight. The slaving feature also includes reverse slaving to allow slaving of the EO/IR line of sight to the searchlight line of sight for compatible EO/IR systems.

TESTED AND QUALIFIED FOR PERFORMANCE AND DESIGNED TO MEET THE MOST RIGOROUS OPERATING ENVIRONMENTS

Building on the TLX product line qualification history, the TLX-M has been Designed to MIL-STD requirements to ensure reliable performance for your maritime missions.



TrakkaBeam® TLX-M

- Multi-mission all weather capable
- Multi-spectral filter options
- Sleek design resulting in a low parasitic drag
- Designed to MIL-STD
- Highest level of actual MTBF
- Longest range multi-spectral maritime searchlight
- Smart electronics
- NVG compliant filters and controllers

PERFORMANCE SPECIFICATIONS

Watts	800
Lumens total	22,500
Beam Width (focus)	5.4°-14.3°
Diameter at 3300ft	311 ft (95m), 40% of peak illuminance
Recycle Time	Not Required
Gimbal Control	2 Axis remote
Rotation	Azimuth: +190°/-190° (non-continuous) Elevation: - 40°/+170°
Slew Rate Variable	Azimuth: 0-60° per second Elevation: 0-60° per second
Serial Communication	RS232 and RS422
Camera Slaving	Forward and reverse slaving

MECHANICAL SPECIFICATIONS

SEARCHLIGHT ASSEMBLY

Envelope Size (min)	Height: 18.98 in (482mm) Width: 17.52 in (445mm)
Envelope Size (max)	Height: 23.39 in (594mm) Width: 17.52 in (445mm)
Weight (searchlight/gimbal)	44lbs (20kg)

POWER SUPPLY (WIRING JUNCTION)

Size	5.83(H) x 5.51(W) x 13.39(L) in. 148(H) x 140(W) x 340(L) mm
Weight	9.46Lbs (4.3kg)

ELECTRICAL SPECIFICATIONS

Input Range	22 – 32 VDC
Input Current	35 – 40 amps
Starting Time	1 second
Recycle Time	None

OPTIONS

Amber, Near Red, Blue, Green 825nm, 875nm & 950nm IR filters
Integrated slaving for Trakka, FLIR, WESCAM cameras
NVG compatible backlit grip control
Dual grip control with priority switching
Laser pointer
Customised installation cable kits



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