

TrakkaBeam[®] TLXc



TRAKKA'S LATEST GENERATION SEARCHLIGHTS ARE IN A CLASS OF THEIR OWN

Utilizing a unique Xenon technology, our systems provide a more intense and stable beam with half the power consumption of previous systems. Capable of full brightness in one-second flat, our TrakkaBeam products keep your surveillance missions from ever being in the dark.

HIGHER INTENSITY

The custom-built optics of the TLXc provide an efficient and even beam, from the center to the edges, with 25% greater intensity and volume of light across the beam than previous TrakkaBeam searchlights.

REAL TIME FILTER SELECTION

Up to six different filters can be selected in less than 1 second. Filter combinations can be configured to your requirements and include Covert IR illumination (for assets with NVG), and visible red, green, amber and white light options.

INTEGRATED SITUATIONAL AWARENESS CAMERAS

Trakka Systems has introduced the industry's first multi-spectral searchlight system with wide field of view Long Wave IR and EO (Day TV) cameras to enhance the crew's situational awareness and operational safety, allowing for safe 24/7 operation during any mission.

MISSION INTEGRATION WITH UNPARALLELED ACCURACY

Trakka Systems has taken searchlight technology to the next level with embedded absolute encoders and provides an increased operational envelope, instant position recognition, and faster more responsive movement of the searchlight.

DO-160G TESTED AND QUALIFIED FOR PERFORMANCE AND RELIABILITY

The TLXc has been rigorously tested to DO-160G standards by internationally recognized laboratories and ensures trouble-free and reliable searchlight performance for your missions.

SYSTEM INTEROPERABILITY

The TLX series is compatible in form, fit and function to most A800 models for backwards compatibility with aircraft wiring and mounts, allowing for an easy upgrade path where required.

KEY FEATURES

- 25% higher intensity and volume of light across the beam than previous systems
- Integrated high-resolution EO and IR situational awareness cameras
- Covert IR illumination (for assets with NVG)
- Up to 6 different real-time filters including white light
- Inertially stabilized for enhanced performance and ease of use
- DO-160G certified & DO-178 compliant
- System interoperability with most A800 models (backwards compatible for easy upgrade path)
- Instant position recognition and faster, more responsive movement



TLXc

PERFORMANCE SPECIFICATIONS

Watts	800
Lumens total	22,500
Peak Luminance	24 lux @ 1km
Beam Width (focus)	5°-14°
Diameter @ 3300f	311ft (95m), 40% of peak illuminance
IR/EO Cameras	32° Fixed FOV's
Video Format	NTSC/PAL & H.264
Recycle Time	Not Required
Gimbal	2 Axis Stabilised
Rotation	Azimuth: +190°/-190° (non-continuous) Elevation: +35°/-175°
Slew Rate Variable	Azimuth: 0-60° per second Elevation: 0-60° per second
Serial Communication	RS232 and RS422
Camera Slaving	Forward and reverse slaving

PERFORMANCE SPECIFICATIONS

SEARCHLIGHT ASSEMBLY

Envelope Size (min)	Height: 18.98" (482mm) Width: 17.52" (445mm)
Envelope Size (max)	Height: 23.39" (594mm) Width: 17.52" (445mm)
Weight (searchlight/gimbal)	46.3lbs (21kg)
Total System Weight	56.3lbs (25.5 kg) Including S/L, PCIU, Filters & Grip

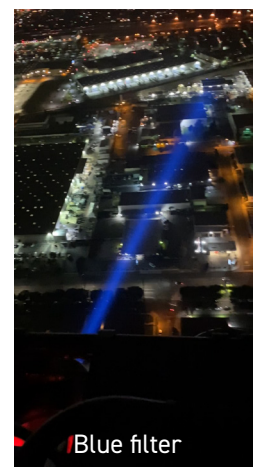
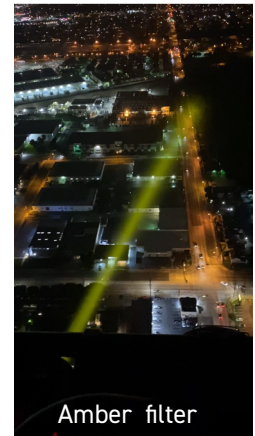
POWER SUPPLY (WIRING JUNCTION)

ELECTRICAL SPECIFICATIONS

Input Range	22 - 32 VDC
Input Current	35 - 40 amps
Starting Time	1 second

OPTIONS

- NVG compliant pilot/co-pilot control panel
- Amber, Near Red, Blue, Green, and 825nm, 875nm & 950nm 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 (option)
- Customised installation cable kits



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