

TrakkaBeam[®] TL-360



TRAKKA'S TL-360 INTRODUCES A NEW ERA OF HIGH-INTENSITY LED/LEP SEARCHLIGHTS

The revolutionary new TrakkaBeam[®] TL-360 LED/LEP hybrid searchlight provides operators with 360° illumination, using 1/3 the total power consumption of systems in its class. The TL-360 is ideal for platforms that don't want to compromise capabilities for lighter weight and smaller size.

COMPACT SINGLE LRU DESIGN:

The TL-360 has a lightweight, compact single LRU configuration that is easy to install, integrate and requires no power conditioning or external interface units. The system is ideal for use on fixed-wing, rotary-wing, light aircraft, manned and unmanned platforms.

MULTI-MISSION CAPABLE:

The system is watertight, ruggedized, and ideal for multiple air, land, and maritime missions:

- Border Security
- Airborne Law Enforcement (ALE)
- Search & Rescue (SAR/CSAR)
- Force & Infrastructure Protection
- Military Surveillance (ISR)
- Emergency Medical Svcs. (EMS)
- Fire Mapping & Detection

ULTRA LONG-DURATION BRIGHTNESS:

The new TL-360 LED/LEP hybrid technology provides users with long-duration brightness and no light drop-off for thousands of hours compared to Xenon lamp technology. The system includes separate visible LED, visible LEP & NIR (NVG compatible) modes.

UNPRECEDENTED UPGRADEABILITY

The TL-360 is highly expandable and upgradeable, designed using solid-state components; the system is highly modular and allows plug-and-play of parts like torch heads as new technologies are available.

KEY BENEFITS

- Reduced size and weight for superior platform flexibility.
- Operates with 1/3 the total power consumption of systems in its class.
- Single LRU - requires no power conditioning unit or external interface units.
- Covert IR illumination (for assets with NVG)
- No light drop off (lamp burnout) for thousands of hours.
- Upgradeable performance with plug-and-play expansion.
- Integrated linking with E/O Sensors & Moving Map Systems.
- Increased meantime between failure (MTBF) of competing technologies.
- Inertially stabilized for enhanced performance and ease of use.
- Backward compatible with A800/TLX (Grip installations).



TL-360

KEY FEATURES:

- Lightweight, compact design
- Multi-mission capable
- Lower power consumption
- Separate Visible LED, visible LEP & NIR modes (NVG compliant)
- ITAR free and widely exportable.
- Watertight and maritime capable: IP67 rating.
- DO-160G qualification standard

PERFORMANCE SPECIFICATIONS

Watts	400W
Target Lumens	18.5k
Beam Width (focus)	5.5° - 22°
NFOV Diameter @ 3300'	230' (70m)
Gimbal Control	2 Axis remote
Rotation	Azimuth: 360 continuous Elevation: +13°/-185°
Slew Rate Variable	Azimuth: 0-60° per second Elevation: 0-60° per second
Serial Communication	ARINC-429, CAN, Ethernet, RS232, RS422

MECHANICAL SPECIFICATIONS

SEARCHLIGHT ASSEMBLY

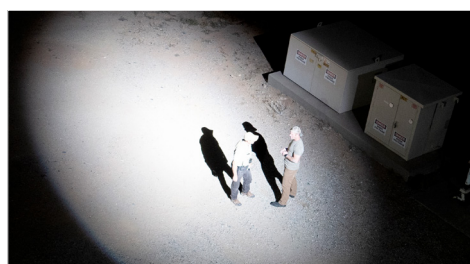
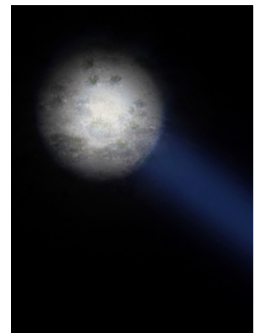
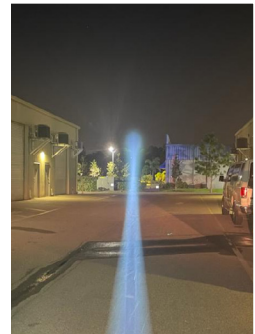
Envelope Size (min)	Height: 375mm/ W: 330mm
Envelope Size (max)	Height: 402mm/ W: 330mm
Weight (searchlight/gimbal)	39.46lbs (17.9kg)
Total System Weight	40.3lbs (18.3kg) Including Grip

ELECTRICAL SPECIFICATIONS

Input Range	24 - 32 VDC
Input Current	15 - 20 amps
Starting Time	<1 second

OPTIONS

- Hardware control inputs modes for VIS, NVG and LSR
- Hardware based VIS, NVG and LSR annunciator outputs
- Supplemental Support - supports cyclic controls i.e. analog joystick with discrete switches
- Strobe mode included: (Variable frequency)
- Separate visible LED, visible LEP and NIR modes - 850nm, 905nm and 940nm options
- Landing Light mode with full 20° WFOV with reduced VIS output illumination intensity



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