

# TrakkaBeam® TL-360-G



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

The revolutionary new TrakkaBeam® TL-360-G LED/LEP hybrid searchlight provides operators with 360° illumination, using 1/3 the total power consumption of other systems in its class.

### COMPACT SINGLE LRU DESIGN:

The TL-360-G has a lightweight, compact single LRU configuration that is easy to install and integrate and requires no power conditioning or external interface units.

### MULTI-MISSION CAPABLE:

The system is ruggedized, and ideal for all weather missions:

- Navigation
- Signaling (Flashing Light to Text Converter)
- Search & Rescue (SAR)
- Anti-Piracy (Strobe Mode)

### ULTRA LONG-DURATION BRIGHTNESS:

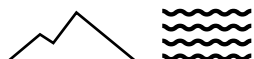
The new TL-360-G LED/LEP hybrid technology provides users with long-duration brightness and no light drop-off for thousands of hours (compared to Xenon lamp technology). The system includes discrete visible LED, visible LEP & NIR (NVG compatible) modes.

### UNPRECEDENTED UPGRADEABILITY

The TL-360-G 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 mean time between failure (MTBF) of competing technologies.
- Inertially stabilized for enhanced performance and ease of use.



# TL-360-G

## KEY FEATURES:

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



## PERFORMANCE SPECIFICATIONS

Watts	600W
Candela	30-35 Mil
Beam Width (focus)	2° - 22°
NFOV Diameter @ 3300'	115" (35m)*
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

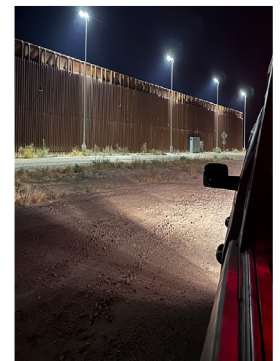
Envelope Size (min)	Height: 375mm/ W: 330mm
Envelope Size (max)	Height: 402mm/ W: 330mm
Weight (searchlight/gimbal)	39.46lbs (17.9kg)
Total System Weight	40.3lbs (18.3kg) Including Grip

## ELECTRICAL SPECIFICATIONS

Input Range	24 - 32 VDC
Input Current	22 - 29 amps
Starting Time	<1 second

## OPTIONS

- Strobe mode included: (Variable frequency)
- Visible LED, visible LEP, Amber, and NIR options



### Trakka Corp Pty Ltd

23 Kilpa Road, Moorabbin  
Victoria 3189 Australia  
Phone: +61 3 9553 3000

### Trakka Systems AB

Stationsvägen 46  
635 36 Ärla Sweden  
Phone: +46 16 708 60

### Trakka USA LLC

4725 Lena Road, Unit 103  
Bradenton Florida 34211, USA  
Phone: +1 941 500-5158

[trakkasystems.com](http://trakkasystems.com)  
[info@trakkasystems.com](mailto:info@trakkasystems.com)