



## TrakkaBeam® A800

The most advanced searchlight available for airborne, marine, law enforcement, search & rescue, firefighting and military applications. Delivering the benefits of the world's leading innovation in searchlight technology.

### SUPERIOR BEAM PROFILE

TrakkaBeam's unique optical design utilizes a bespoke Xenon lamp technology requiring half the power of traditional searchlights to deliver a more intense and consistent beam where you need it.

The precision design of the optical elements in relation to the lamp's arc source is responsible for the effective collimation and reduction of stray light and eliminates the black hole in the wide field of view and the bright spot generated in the centre of the narrow field of view previously experienced in conventional searchlights, while providing an even beam with energy all the way to the edges, resulting in far less lost targets.

### MULTI MISSION FUNCTIONALITY

The TrakkaBeam® A800 includes the industry's only embedded in-flight, multi-filter solution. Up to six different filters can be activated at the touch of a button from inside the cockpit. Filters can range from extremely covert IR to ultra-violet. Different filter options reduce the glare from the fog, snow or moisture and can enhance natural colour in the target field. This internal design allows greater mission capabilities, reduces bulk, weight, and also reduces costly maintenance.



### DO-160F TESTED AND CERTIFIED FOR PERFORMANCE AND RELIABILITY

The TrakkaBeam® A800 system has been rigorously tested and certified to DO-160F standards by internationally recognized laboratories in the United States, Germany and Australia. This series of critical tests includes lightning strike, vibration, AF and RF susceptibility, magnetic effect and many more. This certification helps ensure a trouble-free and reliable searchlight system when installed.

### EFFICIENCY IN DESIGN

TrakkaBeam® offers the highest proven MTBF (Mean time between failures) in the industry. This, coupled with the comprehensive warranty, makes it the most advanced and cost effective searchlight package available. This results in ease of installation and lowers overall cost.



## TrakkaBeam® advanced Searchlight solutions:

### TrakkaBeam® A800

- Multi-mission capable
- Reduced weight and lower power consumption
- Aerodynamic design resulting in a low parasitic drag
- DO-160F certified & DO-178 compliant
- Highest level of actual MTBF
- 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° - 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 and RS422

#### MECHANICAL SPECIFICATIONS

##### SEARCHLIGHT ASSEMBLY

Envelope Size (min)	Height: 18.82". (478mm) Width: 17.36". (441mm)
Envelope Size (max)	Height: 23.45". (593mm) Width: 19.17". (487mm)
Weight (searchlight/gimbal)	40.12lbs (18.2kg)

##### POWER SUPPLY (WIRING JUNCTION)

Size	5.83(H) x 5.51(W) x 11.57(L)". 148(H) x 140(W) x 294(L) mm
Weight	11.91lbs. (5.4kg)
<b>Total System Weight</b>	<b>53.1lbs (24.1kg) inc. Grip and Filters, (exc. cables)</b>

#### ELECTRICAL SPECIFICATIONS

Input Range	22 - 32 VDC
Input Current	35 - 42 amps
Starting Time	1 second
Recycle Time	None

#### OPTIONS

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



**Trakka Corp Pty Ltd**  
23 Kilpa Road, Moorabbin  
Victoria 3189 Australia  
Phone: +61 3 9553 3000

**Trakka Systems AB**  
Stationsvägen 46  
640 43 Ärla Sweden  
Phone: +46 16 708 60

**Trakka USA LLC**  
6817b Academy Parkway East NE  
Albuquerque New Mexico 87109 USA  
Phone: +1 505 345 0270