SYSTEM CONTROLS

Versatility is Reality

System Controls Technology Solutions Pvt Ltd

DUAL FILAMENT LANDING LIGHT

Products :

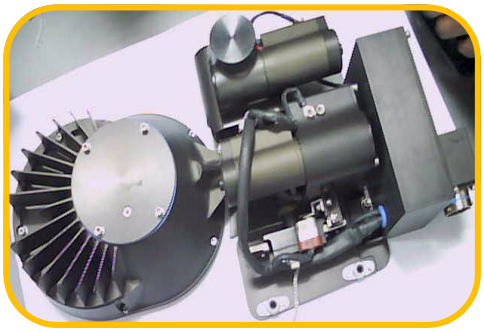
- Light Products for Aerospace Application
- Stabilized Platforms
- Gimbals
- Positioners
- Pointing Systems
- Pan Tilt Units
- Radar Subsystems
- Electro-Optical Systems
- Opto-Mechanical Systems
- Motion Controls Systems

Services :

- Engineering Design & Development
- Electronic Testing & Assembly
- CNC Machining & Manufacturing
- System Integration

Features :

- Visible and IR mode of operation
- Illuminates landing or search areas
- High intensity light
- Two axes rotation of light
- First axis for retraction/extension
- Second axis for rotation of light
- Compact, Rugged and Light Weight Construction
- All weather compliant



Designed, developed and manufactured to meet the requirement of Landing/Search light for low speed airborne platform Helicopter. Precision rugged steel gear trains are housed in a compact package for retraction, extension and rotation. Powered by DC motors to operate gear mechanism and highly reliable slip ring to withstand wind loads. Limit switches are used to cut off/on the power supply as required. DFLL can be rotated through 360° with high power visible/Infrared Light selected ON in the extended position. Illumination conditions are in both IR and visible modes for +90° to –90° rotation.

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Technical Specifications

Model No. : SP-10-00-000

Axes	Number of Axis	: Two
Extension/Retraction	Angle	: 0° to 120°
	Time for extension at 180 knots	: < 12 seconds
Rotation	Angle	: N x 360°
	Time for 360° at 180 knots	: < 15 seconds
Applicable Standards	Environmental Compliance	: MIL-STD-810F
	Power Supply Compliance	: MIL-STD-704D
	EMI/EMC Compliane	: MIL-STD-461E
	Operating Temperature	: -40° to +71° C
	Storage Temperature	: -45° to +85° C
	Maximum Platform Speed	: 330 km/hr
Visible Mode	Reflector	: Parabolic
	Peak Light Output	: 300,000 cd
	Beam Spread	: 14° H/8° V
Infrared Mode	Beam Angle	: 60° H/60° V
Electrical	Power Supply	: 28V DC
	Power Consumption (Visible Mode)	: 280 W
	Power Consumption (IR Mode)	: 28 W
Interface	Command signals from cockpit	

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