

# Spectrolab

Illumination Systems

www.spectrolab.com

## SX-5 Starburst

### Illumination Characteristics:

- Lamp Type: 500 Watt Short Arc Xenon
- Peak Beam Intensity: 15-20 Million candlepower
- Beam Width: 2-10° (remote control focus)

### Application Information:

- Typical Range: 1,650 ft (502 m)
- Peak Illuminance at 500m: 40 Lux (3.7 ft-cd)
- Diameter at 10% of Peak Illuminance: 143 ft (44m) at 1,640 ft distance to target.

### Electrical System:

- Input Voltage: 28 Volts DC Nominal
- Input Current: 25-30 Amperes
- Start Time: 3-5 Seconds Typical
- Recycle Time: None Required
- Searchlight power requirements are compatible with standard aircraft type DC generators. Searchlight may be operated from batteries or ground power unit.

### Mechanical Configuration: Searchlight

- Dimensions: Cylindrical 7.5" (190mm) O.D. x 11.25" (460mm) Long
- Weight: 10.0 lbs (4.5kg)
- Cooling Provisions: Internal cooling fan
- Lamp: Max. life expectancy 1,000 hrs or 2 years operation.



### Mechanical Configuration: Junction Box

- Dimensions: 8.62" L x 6" W x 5.20" H (219mm x 152.4mm x 132mm)
- Weight: 6.3 lbs (2.9kg)

### Mechanical Configuration: Gimbal

- Type: Two-Axis Remote Electrical Control
- Weight: 8.5 lbs (3.8kg)
- Slew Rate: 9° per second standard; 18° per second high speed

### Mechanical Configuration: Control Box

- Dimensions: 5" L x 2.25" W x 1.75" H (127mm x 57mm x 44mm)
- Weight: 6 Ounces (>.25kg)

### Total System Weight:

- Typical with installation, hardware, cable assemblies, 30 lbs (13.6 kg).

The information contained on this sheet is for reference only. Specifications subject to change without notice. REV 02/09

**ISO9001:2000**  
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