

## SX-7 Starsun Searchlight System



### Illumination Characteristics:

- Lamp Type: 700 Watt Xenon Short-Arc
- Peak Beam Intensity: 20 - 25 million candlepower at 2° focus
- Beam Width: 2° (narrow) to 10° (wide)
- Focus Control: Bi-directional Remote Control

### Application Information:

- Typical Range: 3280 ft (1 km) (~32 Lux)
- Peak Illuminance: ~32 Lux (2.9 ft-cd) @ 1 km
- Diameter at 10% of Peak Illuminance: 143 ft @ 1640 ft
- Adaptable to helicopters, fixed wing aircraft, maritime and ground based applications.
- Azimuth Rotation: 345° maximum
- Elevation Range: +15° to -90° (+/- 1°)
- Elevation Slew Rate: 0-40°/sec
- Azimuth Slew Rate: 0-40°/sec

### Electrical Requirements:

- Input Voltage: 28 Volts nominal (26.5-29.0 VDC)
- Input Current: 35 Amps nominal (50 Amps max.)
- Start Time: 1-5 seconds typical
- Recycle Time: None Required
- Searchlight power requirements are compatible with most standard aircraft type DC generators.

### Mechanical Characteristics:

#### Searchlight / Gimbal:

- Maximum Height: 16.5" (42 cm)
- Gimbal Diameter: 11" (28 cm)
- System Weight: 31 lbs. (14 kg)
- Cable Weight: 10-25 lbs. (Based on Cable lengths)
- Adjustable Hard Stops in Azimuth and Elevation -
  - ◇ AZ = 24 adjustable positions (7.5° increments)
  - ◇ EL = 10 adjustable positions (7.5° increments)

#### Hand Controller:

- Dimensions: 2.25"Wx5"Lx1.75"D (57x127x44 cm)
- Component Weight: 0.6 lbs (297 grams)

#### 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)

#### Options / Accessories:

- SpectroLink Linking System



The information contained on this sheet is for reference only. Specifications subject to change without notice. (REV. 02/2014)