

SX-5 Starburst

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Product Highlights

Small Package – Great Output



Key Specifications & Characteristics:

- 20 Million Candlepower Peak Beam Intensity, typical
 - 15 Million Candlepower, minimum
- 13,500 Lumens Lamp Output
- 500 Watt Xenon Short Arc Lamp
- 1,650 ft. (502 m) Typical Range
- 40 Lux (3.7 ft-cd) Peak Illuminance @ 1,680 feet (500 m)
- Beam Width = 2° to 10° w/bi-directional focus
- Diameter of Beam at 10% Peak Illuminance =
 - 143 ft. (44m) wide @ 1,640 ft. (500 m)

Applications

SX-5 Starburst Searchlight systems provides an alternative for your mobile high intensity searchlight requirements when size and weight may be a factor. Can be installed on helicopters, fixed wing and also ground based applications.

System Description:

The SX-5 Starburst Searchlight system provides a lighter weight, smaller envelope option for installations that may be limited by weight or power concerns. It is in use by a large number of EMT users or departments that may not have a heavy SAR use for the Searchlight. This system uses a 500 Watt Lamp, so in installations where current draw may be a concern, this is also a viable option.

High Speed Gimbal Motors are available as an option to achieve 18° per second slew rate. SX-5 Starburst can also be paired with SpectroLink Linking System .

SX-5 Starburst

Illumination Specifications

| | |
|---------------------------------------|---|
| Lamp Type | 500 Watt Xenon Gas Arc Lamp |
| Peak Candle Power | 20,000,000 (MCD) |
| Lux | 40 Lux (3.7 ft.-cd) Peak Illuminance @ .5 km |
| Lumens | 13,500 |
| Beam Diameter 10% Peak Illuminance | 143 ft. wide @ 1,640 ft. 44 m wide @ .5 km |
| Focus Range | Variable 2.5° to 10° |
| Typical Useful Range | 3,280 ft., 1 km |

Electrical / Interface Specifications

| | |
|--------------------------|--|
| Input Voltage | 28 Volts DC, Nominal |
| Input Current | 25-32Amperes < 1.5 Amperes in standby |
| System Control Interface | <ul style="list-style-type: none"> • System Aux On/Off <ul style="list-style-type: none"> • Cooling • Directional Control • Lamp on/off • Pushbutton focus • 8-Way Directional Switch |
| Start Time | 3 – 5 seconds |
| Slew Rate | Variable Standard = 9° per sec max High Speed = 18°/sec max |

Mechanical Characteristics

| | |
|-----------------------------|----------------------------------|
| Searchlight & Gimbal Weight | 19.2 lbs. (8.7 kg) |
| Junction Box Weight | 6.3 lbs. (2.9 kg) |
| Control Box Weight | .6 lbs.. (.27 kg) |
| Cable Set Weight | 10 – 25 lbs. (4.5 – 11.33 kg) |
| System Weight | 35 lbs. (15.87 kg) |

Envelope Specifications

Searchlight & Gimbal Assy.

| | |
|-------------------------------|-----------------|
| Min Height | 14.62" (146 mm) |
| Max Height (90° look down) | 15.80" (158 mm) |
| Max Depth | 10.38" (103 mm) |
| Max Width | 12.12" (121 mm) |
| Azimuth Rotation Diameter | 12.84" (128 mm) |

Junction Box Assy.

| | |
|--------|-----------------|
| Height | 5.07" (50.7 mm) |
| Depth | 7.8" (71.8 mm) |
| Width | 6.8" (61.8 mm) |

Control Box Assy.

| | |
|--------|--------------|
| Height | 5.2" (52 mm) |
| Depth | 1.8" (18 mm) |
| Width | 2.3" (23 mm) |

Reference Documents

| Document Title | Document Number |
|------------------------|-----------------|
| System Cabling Diagram | 034188 |
| Operation Manual | 031718 |
| Schematics | 032497 |

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