

Spectrolab

Illumination Systems

www.spectrolab.com

CHIS[®] Commercial High Intensity Searchlight

Illumination Characteristics

- Lamp Type: 1300 Watt Short Arc Xenon
- Peak Beam Intensity: 200-300 Million candlepower
- Beam Width: 0.8-3° (remote control focus)
- Reflector Diameter: 635mm (25")

Application Information

- Typical Range: 3-6km (2-4 miles)
- Peak Illuminance: 22.5 Lux at 3km (2.1 ft-cd)
- Diameter at 10% of Peak Illuminance: 42m (135 ft) at 3km (9900 ft.)
- Adaptable for ground-based configuration only.
- Designed for rapid set-up in remote field conditions.

Electrical System

- Input Voltage: 22-26 Volts DC
- Input Current: 60 Amperes
- Start Time: 3-5 Seconds
- Recycle Time: None Required
- System is primarily designed for battery operation. Other power sources can be used. All searchlight controls can be operated remotely at distances up to 100m.

Mechanical Configuration Gimbal

- Azimuth Angle: +/- 150°
- Elev. Angle: +/- 10°
- Angular Speed: 5-10°/second, azimuth
0.2°/second, elevation
- Weight: 10.9kg (24 lbs.)

Mechanical Configuration: Junction Box

- Weight: 9.1kg (20 lbs.)

ISO9001:2000
REGISTERED

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



Mechanical Configuration: Searchlight

- Weight: 35kg (77 lbs.)

Mechanical Configuration: Tripod

- Weight: 13.6kg (30 lbs.)
- Tripod Adjustment: 500mm (20") to 1750mm (69") in height.
- Leveling adjustment provided.

Mechanical Configuration: Cables

- Dimensions: 3m (9.8 ft.) standard.
- Special lengths built as required.

Mechanical Configuration: Control Box

- Weight: 3.0kg (6.5 lbs.)

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