

# Spectrolab

Illumination Systems

www.spectrolab.com

## CHIS<sup>®</sup> Commercial High Intensity Searchlight

### Illumination Characteristics:

- Lamp Type: 1600 Watt Short Arc Xenon
- Peak Beam Intensity: 200-300 Million candlepower
- Beam Width: 5.5° to 9° (factory adjustable)
- Reflector Diameter: 25" (635mm)

### Application Information:

- Designed to flood an area with light from a safe distance.
- Ideal for lighting of critical facilities, borders and coast-lines.
- Adaptable for ground or land vehicle based configuration only.

### Electrical System:

- Input Voltage: 26-28 Volts DC
- Input Current: 70 Amperes Max
- Start Time: 4-8 Seconds
- Recycle Time: None Required
- All searchlight controls can be operated remotely at distances up to 500 feet (150m)
- External Power Supply Required

### Mechanical Configuration: Gimbal

- Azimuth Angle: 170°
- Elevation Angle:  $\pm 10^\circ$
- Angular Speed: 9°/sec, Azimuth & Elevation

### Mechanical Configuration: Control Box

- Weight: 6 oz (<.25kg)



### Mechanical Configuration: Searchlight

- Dimensions: 32" Diameter, 33" Long
- Weight: 84 lbs (38kg)

### Mechanical Configuration: Tripod

- Weight: 23 lbs (10.5kg)
- Tripod Adjustment: 35.5" to 70" (.9 to 1.8m) (69") in height.
- Leveling adjustment provided.

### Mechanical Configuration: Cables

- Power, Gimbal and Control Cable included.
- Special lengths built as required.

The information contained on this sheet is for reference only. Specifications subject to change without notice. (REV 04/09)

**ISO9001:2000**  
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