**Features**

- **Beam Intensity:** 80 Million Beam Candlepower illuminates an object/person approximately 9000 meters away on a clear night!
- **Electric Beam-Size Focus:** Beam can be widened and narrowed remote electrically, throughout a continuous spectrum.
- **Beam-size Focus Knob:** External Knob changes beam-size with no tools, and provides back-up should the focus motor fail.
- **Proportional-Speed Joystick:** Speed and Direction are controlled by Joystick...i.e. “Move Joystick to the first position and Beam moves slowly... move the Joystick further and it speeds up!”.
- **“Multi-board Safety Back-up”**... electronic power supply design incorporates three boards in parallel, and if one fails, the beam will still operate in back-up mode!
- **Bullet-Resistant Reflector**... Virtually indestructible Nickel Material helps prevent breakage if fixture is hit by bullets or rocks.
- **Anti-icing Heater:** Thermostatically-controlled heaters are located in the Arm Pivots, Rack and Base.
- **Azimuth Position Indicator:** Position Indicator panel displays where the Beam is aimed in degrees.
- **Thermal Camera:** Optional thermal camera added to searchlight provides additional Night Vision capability.
- **SmartVIEW™ Control:** Micro-processor controls provide intelligent switching throughout a BUS Network, with multiple protocols offered: TCP/IP, RS232, RS422 and RS485.
- **High Powered Strobe:** Powerful nonlethal deterrent disorients intruder and denies night vision.
- **LED Hybrid:** Auxiliary LED Light Modules project a “Wall of Light”, 150 Meters Wide and over 230 Meters away, for strategic short range and wide area lighting.

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**Searchlight Specifications**

- **Electric Beam-Size Focus:** 1 to 20º (throughout continuous spectrum)
- **Temperature Range:** -25 ºC to +48 ºC (approx)
- **Environmental Protection:** IP56
- **Power Consumption:** 115VAC/18 Amps or 230 VAC/9Amps; 50/60HZ
- **Vertical Span:** +35 Deg to -35 Deg (Total 70 Deg approx)
- **Horizontal Span:** Beyond Full Circle (385 Degrees with sliding stop)
- **Beam Speed:** 25º per sec (Horizontal); 14º per sec (Vertical)
- **Lamp:** 1000 Watt, Xenon Short Arc, 6500 ºKelvin
- **Beam Intensity:** 80 Million Candela
- **Distance Serviced measuring 1 LUX:** 8959 Meters on a clear night.
- **Reflector:** Precision Electroformed, Nickel Material, Bullet-Resistant
- **Materials:** Marine Grade Aluminum and Stainless Steel

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“Leaders in Searchlight Technology for over 122 years”
GO GREEN with the C&F 1000 Watt Xenon Power Supply... “Less than 1/3 the weight, Less than 1/3 the size, and 15% more efficient than previous models.”

Features

- Light Weight
- Small Footprint
- Improved Efficiency
- *Multi-Board Safety Back-up Design
- 120 & 230 Volt Models Available
- Integrated Hour Meter and Ammeter
- Optional Outdoor Models Available
- Backward compatible with previous generation power supplies

*Multi-Board Safety Back-up Design: The unique Carlisle & Finch design has multiple electronic boards connected in parallel which provide built-in redundancy. If a board fails, the searchlight will still operate in “back-up” mode. And when there is a board failure, an indicator light on the control panel warns the operator that the light is in “back-up mode”, and that the board should be replaced. This feature insures greater searchlight reliability, and is offered by no other searchlight company in the world. Other searchlights, have a complete outage, if an electronic board fails!

“Leaders in Searchlight Technology for over 122 Years”
The Carlisle & Finch Company offers a “Proportional-Speed Joystick”, which controls the Beam-Speed and Beam-Direction by moving the Joystick with a single hand... i.e. “move the Joystick to the first position, and the Beam moves slowly... move it further and the Beam speeds up!”

Since the need for an additional Speed-Dial or Fast/Slow Switch has now been eliminated (which requires the user to use two hands of operation), the operator can now use his/her free hand to steer the vessel, hold binoculars, or hold a fire arm. Additional Joystick Functions are: Beam-ON, Beam-OFF, Electric Beam-size Focus, Proportional-Speed Joystick (described above), Beam-On Indicator light (offered on Indoor Stations-only), and OverTemp/Hazard Warning Light.

“Leaders in Searchlight Technology for over 122 Years”
1000 Watt Xenon Searchlights
Models XE9666-RF and XE9666-HRF
Dimensions in Inches (mm)

44.65 (1139.18mm)
34.12 (866.61mm)
24.32 (617.72mm)

Ø13.250 (333.55mm)
Bolt Circle

Front

Rear QTY (3) Holes
.562 DIA
(14.27mm)
120° Apart

Weight = 155 LB (71 KG)

1000W SEARCHLIGHT
PART NO.
F XE9666
DIM

THE CARLISLE & FINCH CO.
CINCINNATI, OHIO

"Leaders in Searchlight Technology for over 122 Years"
## How to Specify a Searchlight System

<table>
<thead>
<tr>
<th>Searchlight Model</th>
<th>Power Supply Model</th>
<th>Joystick Controller Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>XE9666-RF (Standard)</td>
<td>1PS115DE (115 VAC)</td>
<td>C4-1M-2 (Indoor Station)</td>
</tr>
<tr>
<td>or XE9666-HRF (Includes Anti-icing Heaters)</td>
<td>or 1PS230DE (230 VAC)</td>
<td>and/or C4E1M-2-2 (Outdoor Weatherproof Station)</td>
</tr>
</tbody>
</table>

### How to Specify a System:
Read across the table and select one Searchlight, one Power Supply and one or more Joystick Controllers. For special options listed below, insert the letter into the searchlight model number, to the right of the hyphen, and in alphabetical order.

- To order Anti-icing Heaters add “-H” to the searchlight model number.
- To order Azimuth Position Indicator add “-A” to the searchlight model number.
- To order Full Manual Back add “-M” to the searchlight model number.
- To order a Thermal Camera, LED Hybrid Module, or SmartVIEW™ Controls, consult Factory.

Example Order: Searchlight with Anti-icing Heaters and Azimuth Indicator, 115VAC and (1) indoor and (2) outdoor stations... Qty(1) XE9666-AHRF, Qty(1) 1PS115DE, Qty(1) C4-1M-2 and Qty(2) C4E1M-2-2