

NightFINDER™ Products

Searchlight and Thermal (IR) Camera on same Platform!

Features

- **Integrated Searchlight**... Add the Thermal Camera Option to any of Carlisle & Finch's high quality Searchlights (Xenon or Halogen!)... providing 1 to 6 Mile Visibility
- **Integrated Thermal Imager (IR)**... Range of detection 1000 to 2000 Feet (depending upon heat signature of object and environmental conditions)
- **Speed Control**... Beam/Camera can be aimed at various speeds.
- **Camera Anti-icing Heater**... prevents ice build-up on camera lens in cold climates
- **Position-Indication (optional)** console panel displays horizontal aiming position in degrees.
- **Base Anti-Icing Heater (optional)**... prevents ice build-up on Base in cold climates.
- **Upside Down Mounting (optional)**... saves mounting space (offered on certain models-only)
- **Outdoor Weatherproof Controls**



45 Million Candlepower 500 Watt Xenon Searchlight Pictured above!

Application Description

The Carlisle & Finch Co invented the world's first high intensity searchlight in 1894, and FLIR® pioneered the development of Advanced Thermal Imaging technology. These two companies have combined forces, in providing the Marine World's first complete surveillance system. By integrating a searchlight and thermal camera within the same compact design, you will achieve the following: **"Save Money"...** **"Increase Safety and Security"...** and **"Save Mounting Space"**.

The integration of high intensity light with thermal imaging, provides a powerful and strategic synergism! The thermal imager will detect images covertly, in total darkness. Since the searchlight is already aimed precisely at the same image which resides on the screen, the image can be instantly illuminated and identified, by simply activating the searchlight switch. If the camera covertly detects a potentially dangerous intruder, the high intensity light will instantly "blind the intruder", with a powerful non-lethal force, and deny him his night vision. The U.S. Coast Guard and U.S. Army have used these technologies in this same strategic manner for many years!

Searchlight Specifications

- Xenon Option: 25 Million (350 Watt), 45 Million (500 Watt) 80 Million (1000 Watt) 177 Million (2500 Watt)
- Halogen Option: 1.5 Million (12-inch), 3 Million (15-inch) and 4.5 Million (19-inch)

Thermal Camera Specification

- Sensor: 320 x 240 uncooled
- Field of View: 36° x 28°
- Temp Range: -40°C to +80°C
- Video Signal: NTSC
- Input Voltage: 12VDC
- Power Consumption: 2W



"Marine and Security Lighting for over 110 years!"

www.carlislefinch.com



Bridge not seen at Night! → Bridge seen with Camera!



Helps save lives!



Increase your Safety!

Searchlight/Camera Integration Benefits!

- Save Money... searchlight head serves as the Pan/TILT function for Camera (UP, DOWN, RIGHT and LEFT)! Decreases cabling, and saves mounting space!
- Increase Visibility around Vessel... see blind spots around vessel Day and Night... remotely from below deck, or from the bridge.
- Increase Navigational Safety... see bridge peers, markers, oncoming boats, etc... continuously throughout the night!
- Reduce Liability... record emergency situations on demand during the Day and Night!
- A Non-lethal Deterrence... searchlight is already aimed where camera is aimed... flip the switch and light up the target! This will deny Night Vision to an intruder as well as serve as a deterrent to ward off vandals and thieves.



“Helping people see at night for over 110 Years”