



# Classic Yacht Xenon Searchlight



Beam Intensity	45 Million Candela
Distance Serviced	1 lux at 6708 meters (approx.)
Beam Speed	25° per sec (Fast/Horiz); 3° per sec (Slow/Horiz)
Color Temperature	6000 Kelvin
Controls	Proportional-Speed Joystick Control (multiple joystick operation and weatherproof)
Environmental Protection	IP56
Lamp	<b>500 Watt</b> , Xenon Short Arc
Electric Beam-Size Focus	1 to 20° (through continuous spectrum)
Temperature Range	-40 °C to +55 °C (Survivability down to -46.8° C)
Vertical Span	+35° to -35° (70° approx. total)
Horizontal Span	385° with sliding stops
Finish	Brass Chrome or White Powder (Custom RAL Colors available)
Reflector	Bullet-Resistant, Precision Electroformed, Nickel Material
Voltages	115VAC/12 Amps <i>or</i> 230 VAC/6 Amps; 50/60HZ

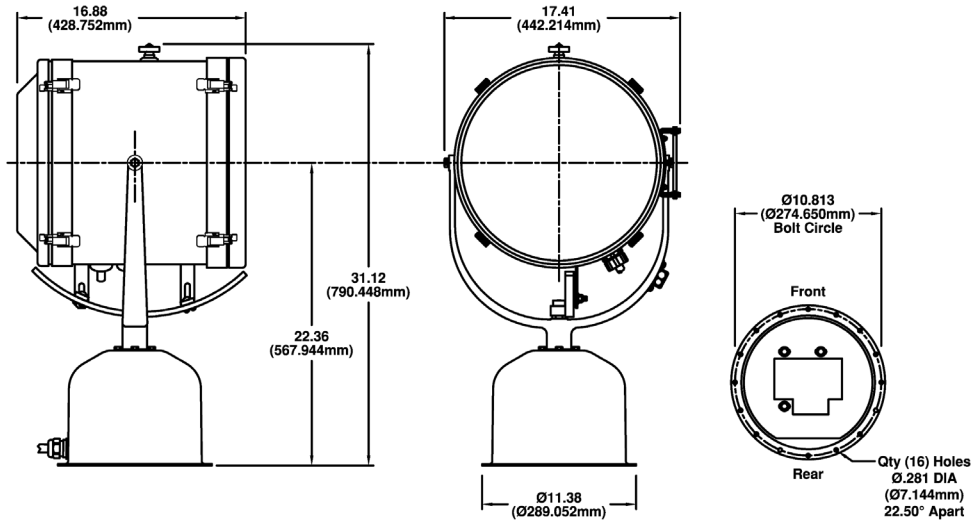
## OPTIONS

Anti-icing Heater	Thermostatically-controlled heaters in the Base.
Azimuth Indicator	Panel displays beam aiming position in degrees.
Detachable IR Filter:	Provides covert surveillance when used with lowlight cameras and NVG's.
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 200 Meters away, for strategic short range and wide area lighting.
NightFINDER™	Embedded thermal camera enhances night vision capability, and the searchlight beam and camera track on the same target. Reference last two pages.
SmartVIEW™	Control System provides Digital BUS Network, and TCP/IP Interface allows Remote Computer Control. Protocols supported: ONVIF, Pelco-D, NMEA 0183 and Carlisle & Finch's own Protocol.



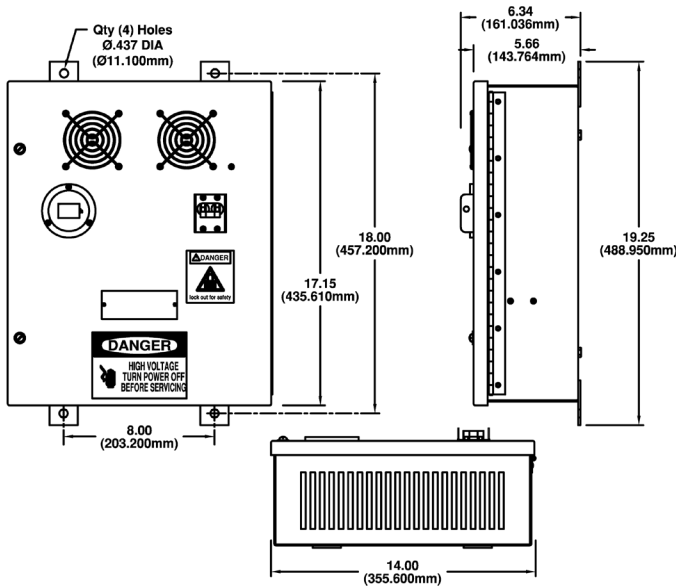
*Lighting the way forward since 1894*

# 500 Watt Dimensions in inches (mm)

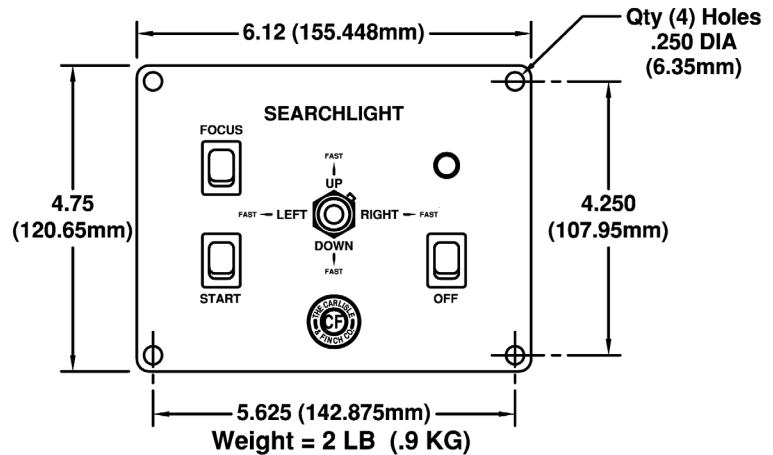


**Power Supply:** 115 or 230VAC, 50/60HZ Electronic Power Supply with "Dual Module Redundancy". If one power supply module fails, the other will serve as back-up, and the searchlight will still project a bright beam.

**Joystick Control Stations:** Remote control functions include Lamp ON/OFF, Electric Beam-size Focus, and Advanced Joystick which controls Speed and Direction simultaneously with one hand... "move the Joystick to the first position and it will move slowly, move it further and it will go faster." One Master Station (C4-1-1) is required with each system, and any number of Slave Stations, indoor (C4-1M-1) and outdoor (C4E1M-1-1), can be added. If you desire an outdoor Slave Station, not flush-mounted within console, but in a Weatherproof Box, specify C4E1M Control, and consult Factory.



Power Supply 6PSN115 or 6PSN230  
Power Supply Weight = 7.5lb (3.4kg)



C4-1-1 Master Station.....Depth = 6.5in (166mm)  
C4-1M-1 and C4E1M-1-2 Secondary.....Depth = 3.5in (89mm)

Searchlight Chrome or Powder Coat	Power Supply 115VAC or 230VAC	Master Station (Indoor)	Secondary Station (Indoor)	Secondary Station (Outdoor)
XY5CDE-24RF or XY5EDE-24RF	6PSN115 or 6PSN230	C4-1-1	C4-1M-1	C4E1M-1-2

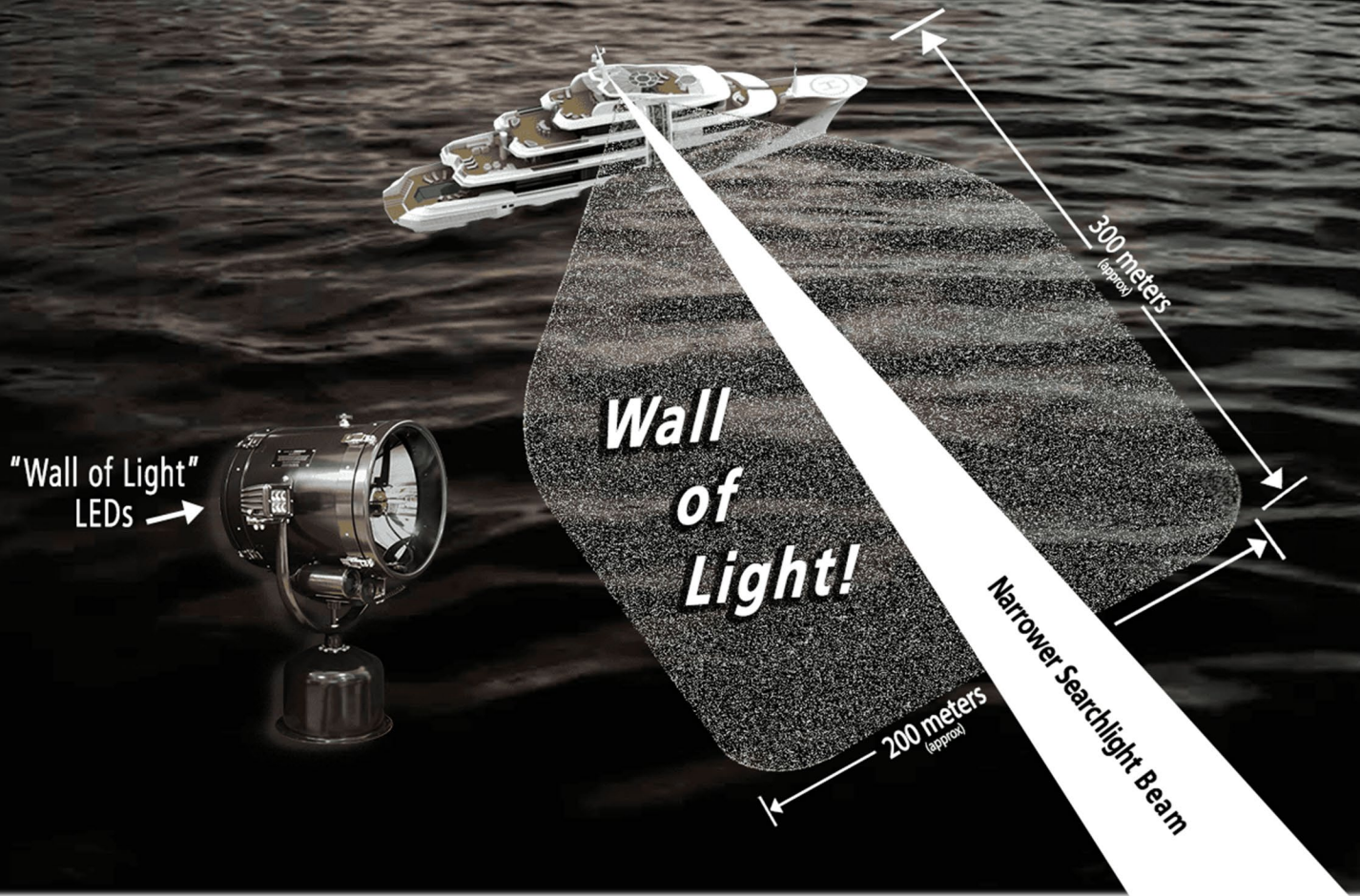
**How to specify searchlight system...** read across table and select one searchlight, one power supply, one Master Joystick Controller and any number of optional Secondary Joystick Controllers.

## Sample Specification

A 500 Watt Searchlight with Sparkling Chrome Finish, 230 VAC Power Input and two flush-mounted Joystick Control within console (one inside and one outside in weather)... the model numbers are as follows:

- (1) **XY5CDE-24RF** Searchlight, (1) **6PSN230** Power Supply, (1) **C4-1-1** Master (1) **C4E1M-1-2** Secondary Station

**Note:** Consult Factory for optional Strobe, NightFINDER™, Anti-icing Heaters, Azimuth Indicator, SmartVIEW, etc. features.



*“Auxiliary LEDs illuminate wide areas at close range, where the narrower Xenon beam cannot strategically service”*

Imagine a passenger suddenly falls overboard a marine vessel. Using the auxiliary LEDs for **Search and Rescue**, an operator instantly directs a powerful **“Wall of Light,”** wider than a football field, anywhere around the vessel to rescue the person.

The **“Wall of Light”** is extremely effective for **Vessel Interdiction, Docking, Seeing Workers at Night, etc.** Multiple light technologies combined into one versatile product provide strategic **LED** wide-beam illumination and powerful **XENON**, long-distance, search capability.

# 500 Watt Xenon Power Supply

with Multi-Board Safety Back-up

15% more efficient  
1/3 the weight and size

*compared to previous models*

## Features

- n 120 & 230 VAC models available
- n Backward compatible with previous power supply generations
- n DC output for "Wall of Light" LEDs
- n Integrated hour meter / ammeter
- n Optional outdoor models available



Electronic Boards

Front Cover

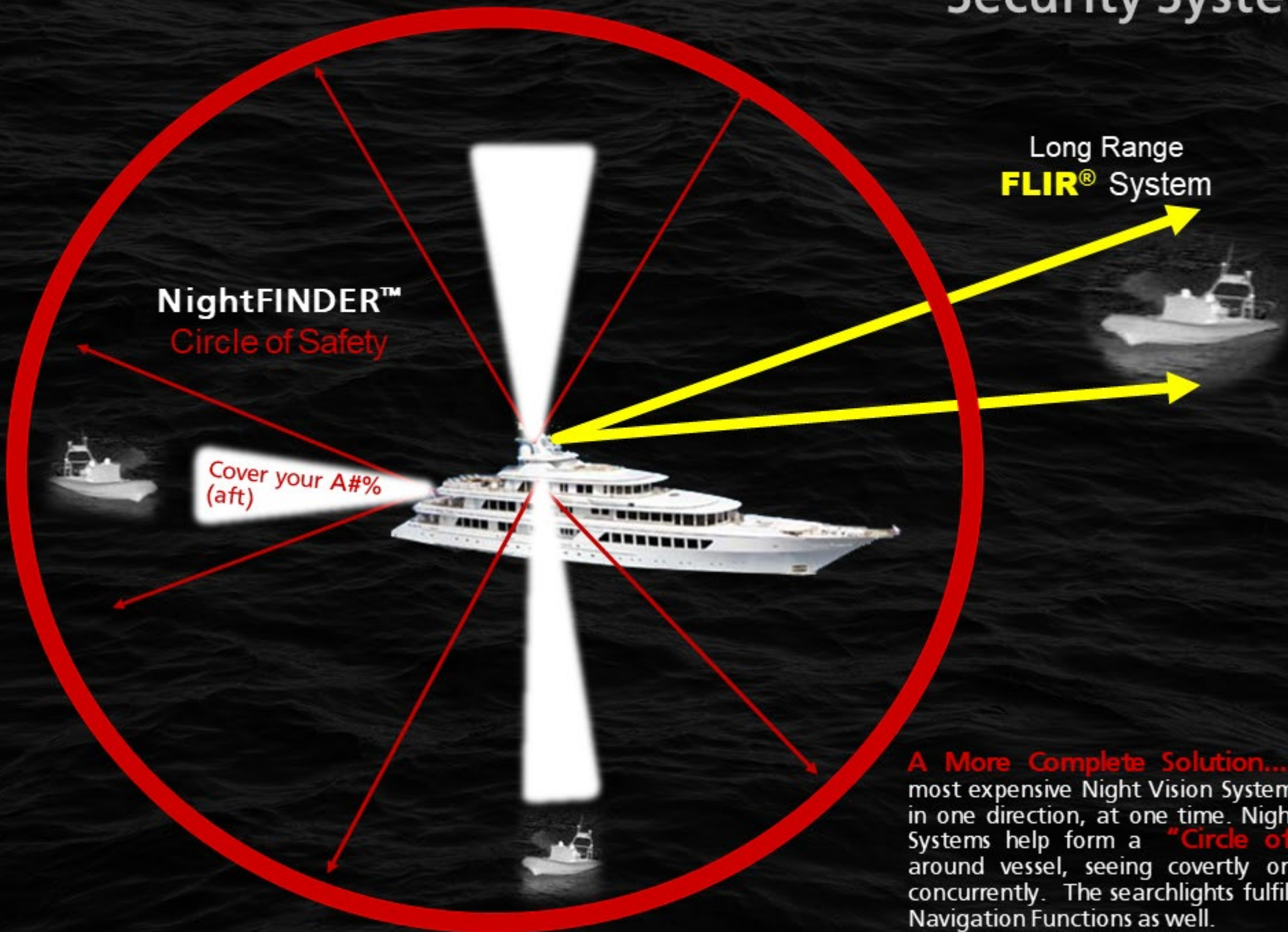


## Design

Carlisle & Finch's unique design has multiple electronic boards connected in parallel which provides built-in redundancy. Our searchlights remain operational in "back-up" mode amid board failure. This feature ensures greater searchlight reliability and only offered through **Carlisle & Finch**. Other searchlights suffer complete outages amid electronic board failure.

# NightFINDER™

A Total Navigation & Security System



**A More Complete Solution...** Even the most expensive Night Vision Systems only see in one direction, at one time. NightFINDER™ Systems help form a "Circle of Safety" around vessel, seeing covertly on all sides concurrently. The searchlights fulfill all of the Navigation Functions as well.

# **NightFINDER™** ... a "Covert Targeting Device"

Strobe blinds and  
disorients Intruder with  
Nonlethal Force!



Powerful Nonlethal  
Weapon

**STROBE**

**Thermal Camera**



Camera is used as **Covert Targeting Device** i.e.... "Operator covertly scans horizon with camera, and after Intruder is spotted, searchlight instantly illuminates the target."