

Patrol Boat Searchlight

Compact and Powerful... 25 Million Candlepower!



“Electronic Design”... Small, Light-Weight and Powerful!

Features

- **25 Million Candlepower (at Only 350 Watts!)**... Beam projects over 3 Miles on a clear night!
- **Remote Electric Beam-Size Focus**... Electric Switch Widens and Narrows Beam throughout continuous spectrum.
- **Back-up Focus Knob**... manual Beam-size Focus Knob adjusts Beam-size quickly with no tools, if Focus Motor fails.
- **Beyond Full Circle of Visibility**... Unique Sliding Stop design, provides 385 Degrees horizontal rotation.
- **Advanced Joystick**... Beam-Speed and Beam-Direction are controlled simultaneously with one hand, while operator steers vessel or holds gun/binoculars with free hand... “move Joystick to first position and it moves slowly... move it further and the Beam moves fast”.
- **Bullet-Resistant Precision Reflector** ... virtually Indestructible Nickel material lasts the life of product, and helps to resist shattering if impacted by bullets.
- **Upside Down Mounting Option**... anti-icing heater option.
- **Solid State Electronics**... Light-Weight, Compact Circuit Board provides quick swap-out for trouble-shooting.
- **Infrared Filter**... provides Covert Surveillance when used with Night vision goggles and other Night Vision Devices.

Patrol Boat Application

This Xenon Searchlight was designed for Fast Patrol Craft where Size, Weight and Power Consumption must be minimized, but Performance and Safety cannot be compromised. Powerful Beam Intensity services a greater distance, allowing the necessary “Safety Reaction Time” should the vessel require immediate action during an emergency. Custom Patrol Boat Features are offered such as a reflector made of Nickel which helps prevent shattering if impacted by bullets, a Detachable Infrared Filter used for Covert Surveillance, and an Advanced Joystick allowing simultaneous Speed and Direction control with a single hand, allowing the operator to hold firearm, binoculars or steer vessel, with free hand.



*Selected for Latest Generation
U.S. Coast Guard Patrol Boats!*



Leaders in Searchlight Technology for over 100 years!

Visit our web site at www.carlislefinch.com



“Proportional-Speed Joystick”

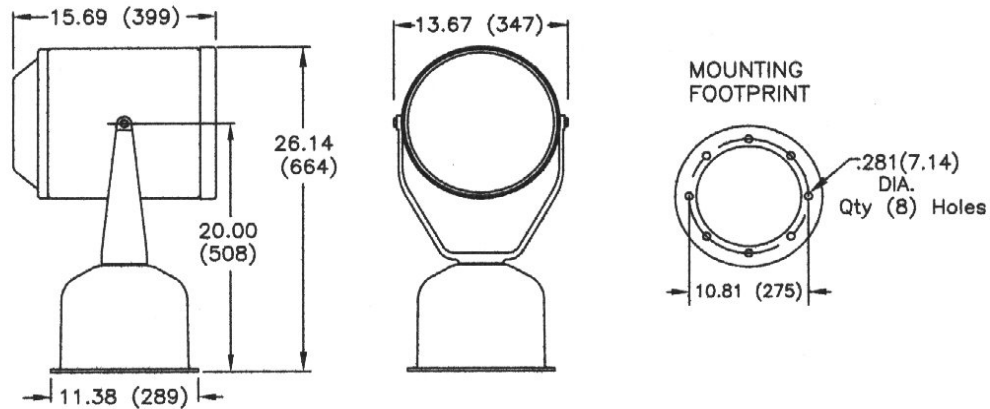
Beam-Speed and Aiming Control are built into Joystick... providing Single-hand Control



The Carlisle & Finch Company has developed a Sleek “Proportional-Speed” Joystick Control Station. The Beam-Speed and Beam-Direction functions are built into the Joystick (move the Joystick to the first position, and the Beam moves slowly... move it further, and the Beam speeds up!). This capability eliminates the need for a separate Speed Dial or Fast/Slow switch, which requires two hands of operation (i.e. one hand on Joystick and one hand on Speed Dial). Now the operator can now use his/her free hand to steer the vessel, hold binoculars or hold a firearm. Additional functions are: Beam-ON, Beam-OFF, Electric Beam-size Focus, Advanced Joystick (described above), and a Beam-On Indicator light offered on control stations mounted inside, out of the weather.

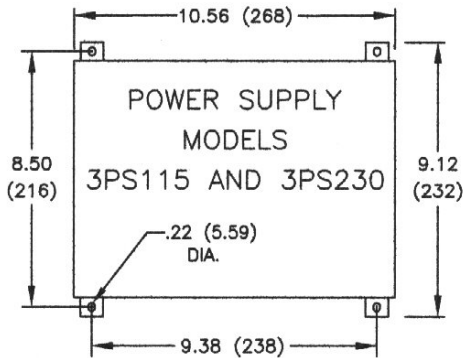
“Leaders in Searchlight Technology for over 100 Years”

350 Watt Dimensions in inches(mm)

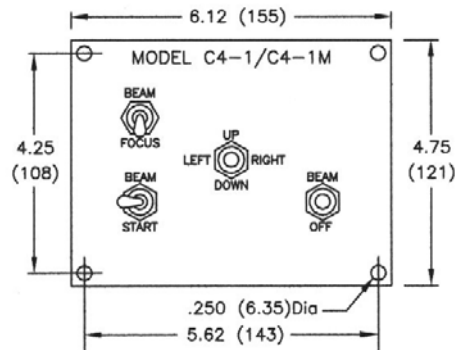


Power Supply: Compact Electronic Current-Regulated Supply. Regulated Current increases lamp-life by keeping lamp current constant despite voltage input changes. Solid State Electronics includes Universal Power Input Feature, providing 115 Volts AC and 230 Volts AC inputs on the same printed circuit board. Current dimming switch adjusts amperage throughout a continuous spectrum.

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) is required with each system, and any number of Slave Stations, indoor (C4-1M) and outdoor (C4E1M-1), can be added. If you desire an outdoor Slave Station, not flush-mounted, but in a Weatherproof Box, specify C4E1M(consult Factory for Dimensional Data).



Power Supply Depth = 5.63 in(143mm)



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

How to Specify a System... start at the left and read across table. Select Searchlight Model Number XY3EDE-RF, 115 Volt or 230 Volt Power Supply and one C4-1-1 Master Station. Any quantity of slave stations can be added. For inside mounting select Slave Station C4-1M-1, and for Slave Stations mounted outside in the weather, select C4E1M-1(Flush-mounted in Console). If you desire an Outdoor Slave Station, mounted in a Weatherproof Box and not flush-mounted in a console, select C4E2M and consult Factory for Dimensional Data.

Searchlight Chrome or Powder Coat	Power Supply 115VAC or 230VAC	Master Station (Inside)	Slave Station (Inside)	Slave Station (Outside)
XY3CDE-24BRF3 or XY3EDE-24ARF3	3PS115 or 3PS230	C4-1-1	C4-1M-1	C4E1M-1-1

Sample Specification: A 350 Watt Searchlight with Powder Coat Finish, 230 VAC Power Input and two flush-mounted Joystick Control Stations(one inside and one outside in the weather)...Select Searchlight Number XY3EDE-24BRF3, Power Supply Number 3PS230, Master Station Number C4-1-1 and Slave Station Number C4E1M-1-1.



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Carlisle & Finch Xenon 350 Watt Testimony!



After the September 11, 2001 terrorist attack, the U.S. Navy standardized on the Carlisle & Finch 350 Watt Xenon for Security and Force Protection, and also uses the high powered beams, as a non-lethal deterrent, against terrorists. Currently, they are installed at every Naval Base East of the Mississippi, and they are also used for high intensity, anti-terrorist perimeter ship lighting, on the latest U.S. Navy Guided Missile Destroyers (The DDG Arleigh Burke Class). The 350 Watt Xenon Searchlight also has become the standard of all of the latest generation United States Coast Guard Patrol Boats, built in the last ten years (The 87 Foot and 110 Foot Coastal Patrol Boat Classes) and the U.S. Navy Cyclone Class (175 Foot Patrol Boats).

Please read the following unsolicited testimony from Chip Swicker, the Commander of the USS John McCain. His ship is a Guided Missile Destroyer, one of the Advanced High Tech "Arleigh Burke Class", which are the latest U.S. Destroyer Ship Designs. These 350 Watt Xenon fixtures are being used strategically for Anti-Terrorist, perimeter ship lighting.

"THESE LIGHTS ARE AMAZING! In the humid air of the Arabian Gulf, the beams reach out like solid rods of white light when the top-mounted focus knob is dialed in. I am at 25 knots now, heading out to chase the Bad guys, and will be able to light'em up for real starting tomorrow night. THANKS FOR BRINGING A GREAT PRODUCT TO OUR FLEET!"

Cheers, CDR Swicker



Commander Swicker of The USS John McCain pictured above. His motto... "Sail Fast, Shoot Straight and Tell the Truth!"

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