

# LED “Hybrid Feature” for Halogen Searchlights

**Auxiliary LED’s added to 12 and 15-inch searchlights illuminate wide areas at close range, where the narrower Halogen Beam cannot service!**

## Auxiliary LED Features

- **Eliminates Blind Spots:** LED Beam efficiently illuminates wide areas near Marine Vessel or Guard Tower, where the narrower halogen beam cannot effectively service. See Beam Pattern on page 2.
- **“Pure White Color” Temperature:** Beam is distinctly white at 5500° Kelvin, which is extremely effective at spotting targets in total darkness.
- **Dual LED Module Design:** Two LED Light Modules powered by separate electronics, provide emergency backup, if one fails.
- **Low LED Power Consumption:** Only 35 Watts per module (70 Watts Total)
- **Long LED Lamp-Life:** 50,000 Hours
- **Voltage Input:** 12VDC or 24VDC
- **Battery Back-up:** Can be run directly off DC battery power with minimal power consumption.
- **Environmentally Robust:** IP67-Rated
- **LED Beam Pattern:** See Exhibit A on page two.



**12-inch Halogen Searchlight with auxiliary LED’s seen above**



**“Wall of Light” aimed instantly on demand!**

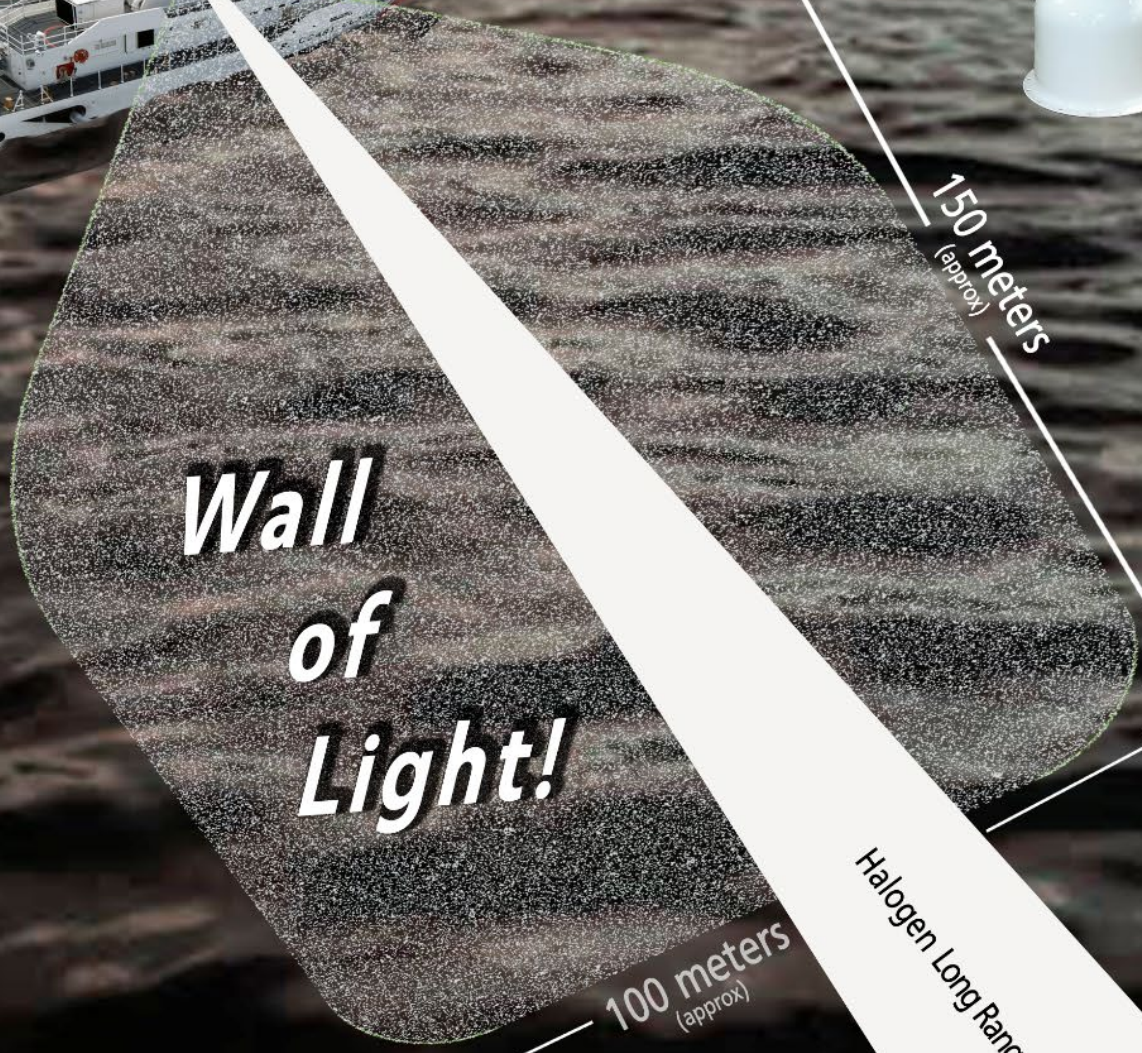
**What is a “Hybrid Searchlight”?** Carlisle & Finch has created the “LED Hybrid” Feature. This feature adds auxiliary LED’s to a 12 or 15-inch halogen searchlight, creating a “Hybrid Searchlight”, which utilizes the strengths of multiple lighting technologies on demand!

Imagine a passenger suddenly falls overboard! Using the LED’s, an operator can instantly direct a powerful **“Wall of Light”**, wider than a football field, anywhere around the vessel! This wide LED beam is also effective for **“Patrol Boat Vessel Interdiction”**, **“Docking”**, **“Seeing Workers at Night”** or **“Lighting up a Prison Yard”**. The LED’s have evenly spread illumination, and a “pure white” color rendering, which is extremely effective for spotting targets in total darkness.

The addition of the auxiliary LED’s will efficiently service wide short-range applications (LED), and also long-distance applications (xenon), using one flexible product!



**“Leaders in Searchlight Technology for over 126 years”**



**Wall  
of  
Light!**

150 meters  
(approx)

100 meters  
(approx)

Halogen Long Range Beam