New “LED Hybrid” Feature for Xenon Searchlight

Auxiliary LED’s added to the Searchlight illuminate wide areas at close range, where the narrower Xenon Beam cannot service!

Auxiliary LED Features

- **Eliminates Blind Spots:** LED Beam efficiently illuminates wide areas near Marine Vessel or Guard Tower, where the narrower xenon beam cannot effectively service. See Beam Pattern on page 2.

- **Control Station Integration:** LED Switches are integrated into the Searchlight Controller, thereby taking up no additional console space.

- **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.

350 Watt Xenon Searchlight with auxiliary LED’s seen above

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**What is a “Hybrid Searchlight”?** Although LED development has come a long way, it still cannot compete with the long distances achieved by a xenon searchlight. Therefore, Carlisle & Finch has created the “LED Hybrid” Feature. This optional feature adds auxiliary LED’s to the 350 watt xenon searchlight, thereby creating a “Hybrid Searchlight”, which utilizes the strengths of multiple lighting technologies on demand!

Imagine that 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 extremely 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 very effective at spotting targets in total darkness.

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

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