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.

**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!