

# LED Marine Lantern



**Range: 6 - 10 NM at 0.74T**

The only modern acrylic lantern with an internal lens protected by a smooth outer cover, the FA-250 LED Marine Lantern is engineered to give the optimum mix of high horizontal candlepower, vertical divergence, reliable output under varying environmental conditions, and adaptability to different signaling requirements, simple logistics, and long service life with reduced spare parts requirements.

## **Features:**

- Extremely high flux, compact LEDs mounted on a heavy duty heat sink and encapsulated inside a sealed housing; the heat sink maximizes the life of the LED array by keeping the maximum temperature of the array to less than 50°C
- Heavy duty STABRITE® system designed to maximize the life of the LED array by providing a secondary environmental enclosure independent of the lantern housing, ensuring moisture does not reduce the life of the LED

- LED array/diffuser system that approximates a marine signal lamp located at the focal point of the lens to maximize the output of the lantern in the horizontal plane with horizontal uniformity of the beam
- Precision-molded acrylic Fresnel lens that has better optical characteristics and higher transmission than glass, and longer-term dimensional stability than cut acrylic; light weight and its color filter transmission is, typically, 25% higher than glass
- Smooth, protective acrylic lens cover eliminates the buildup of droplets of moisture, dust, salt spray, raindrops and other contaminants on the internal Fresnel lens prisms
- Can be simply and inexpensively converted to a different color or to color sectors
- Complies with the recommended IALA minimum vertical divergence of  $2.5^{\circ}$  and the FAA minimum vertical divergence of  $3.0^{\circ}$

### **Optional Features:**

- Bird spike
- Uniflash® III wireless synchronization system