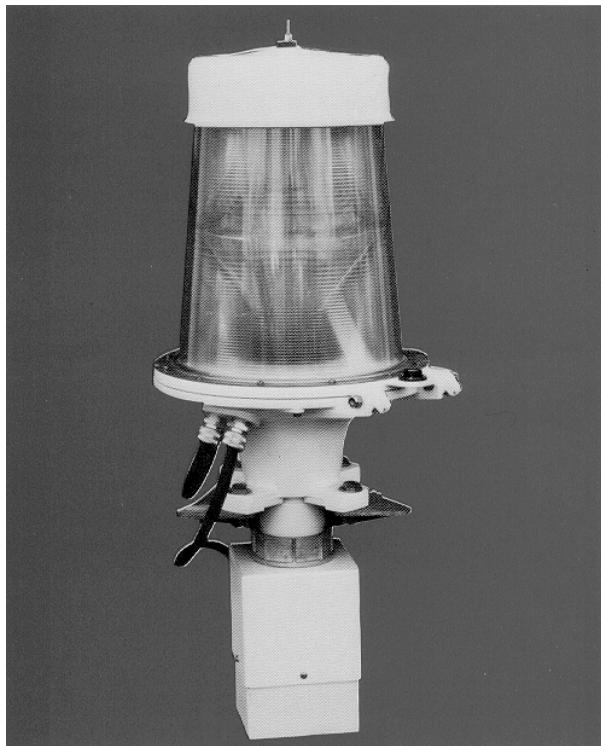


# FA-250 HIGH WATTAGE LANTERN



## Fixed Intensities (Candelas)

Lamp	FA-250 with Bird Spike	FA-250 with condensing panel*
<b>C-8 Filament</b>		
6v 0.25a	43	400
6v 0.46a	100	900
6v 0.70a	150	1400
6v 0.90a	210	1900
12v 0.25a	70	630
12v 0.55a	180	1800
12v 0.77a	270	2700
12v 1.15a	430	4300
12v 2.03a	860	8600
12v 3.05a	1190	11900
**12v 9.0a	6270	56430
<b>CC-8 Filament</b>		
12v .5a	476	4384
12v 1.0a	877	8077
12v 2.0a	1883	17342
12v 3.0a	2483	22868
12v 5.0a	2978	27427

Note: For red lens cover multiply above by .30  
 For green lens cover multiply above by .32  
 For yellow lens cover multiply above by .68

\*Candela measured on axis of the condensing panel

\*\*High wattage lampchanger required with maximum 60% duty cycle in non-vented lantern. Duty cycle above 60% requires ventilating lantern. Candela shown is for non-vented lantern. Vented lantern must reduce candela by 8%

The FA-250FV series high wattage lantern can be used in several applications where a high intensity light is desirable and an AC power source would be available. The unit is equipped with two 500 watt, 80 volt quartz halogen lamps positioned in an APLC 120 two place lampchanger. A variety of controllers can be used to flash this lantern to meet different required applications.

The unit is fan ventilated, ducting ambient air through a filter in the top and out of the bottom of the lantern. The air stream is directed across the lens and lens cover to prevent heat damage to the acrylic lens and lens cover. A built-in thermal shut off switch prevents damage to the lens if the fan should fail.

Previous application of this lantern has been for high intensity lights for bridges and for artificial island markings such as offshore platforms.

Sector color filters can be added to the lantern to mark channels such as a transit light.

The FA-250/FV-4 and the FA-250-HA/FV-5 are rated to operate with a 500 watt lamp at less than a 35% duty cycle and have an internally mounted ventilation fan.

The FA-250/FV-6 and the FA-250-HA/FV-7 are rated to operate with a 500 watt lamp at greater than a 35% duty cycle and have an externally mounted ventilation fan as indicated in the photograph.

The FA-250HA/FV-5 and FA-250HA/FV-7 model is Factory Mutual approved to meet Class I, Division 2, Group D requirements as established by the N.E.C. Code. The FA-250/FV-4 and FA-250HA/FV-6 are not rated.

A variety of controllers can be used to operate the unit through a voltage input range of 80 to 240 volts AC, 50 or 60 Hertz.

The FA-250/FV series lanterns have a fixed intensity of 15,327 candelas at 82 volts input. The rated life of the lamp is 1000 hours.

Consult Automatic Power for particular application requirements.

**Dimensions:** 14 1/4" dia. x 35 1/4" high

**Weight:** 32 pounds

**Shipping weight:** 37 pounds

**Shipping Carton:** 16" x 16" x 36"

**Shipping Volume:** 5.3 cu. ft.