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## Surface Floodlight with Perimeter Light Model 700

### Compliance

- FAA AC150/5390-2B
- ICAO Annex 14, Volume II

### Applications

Eliminates expensive high level floodlights. Balanced surface illumination with no glare.

### The Pilot Will See a Lighted Stage

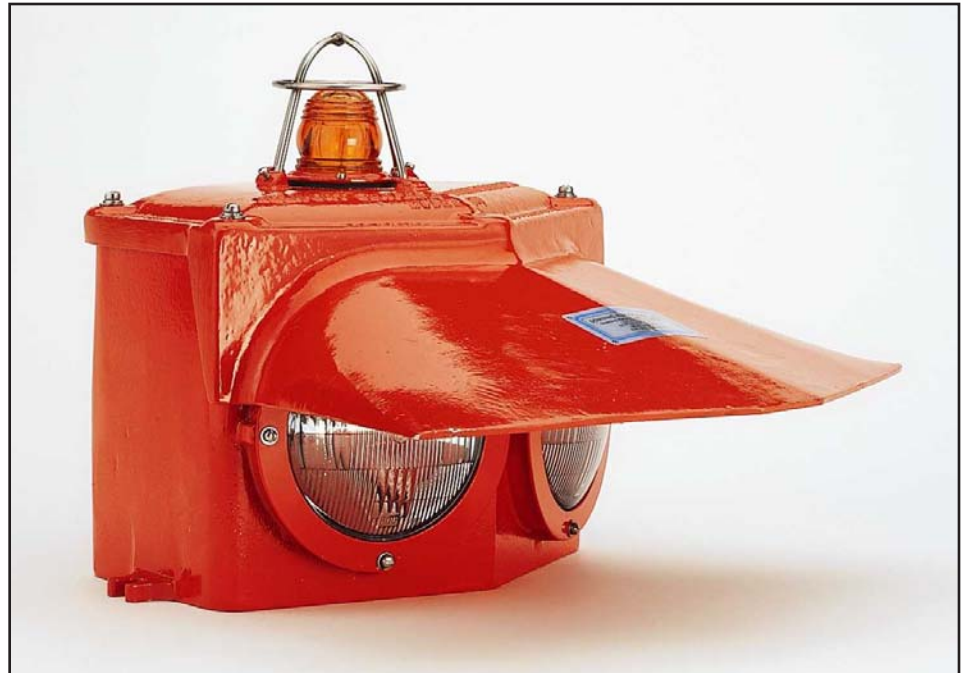
When the pilot begins his descent from about 4000 feet away, he will actually see the center of the pad, not just a dim yellow outline that he would get if only perimeter lights were used. Perimeter lights are only marginally visible at that distance.

### Surface Floodlights Provide Reflected Light for Added Visibility

The Surface Floodlight is specially designed for helicopter landings and reflect the surface, whether it is plain concrete or painted with reflectorized paint. Perimeter lights alone do not reflect the surface of the pad. Two high intensity sealed beam floodlights, each having a very wide horizontal and a very narrow vertical beam spread, are adjacently mounted in one fixture so that their combined beams are projected over a 100° broad path across the surface. Being installed at slightly above the surface level, equally spaced around the heliport, uniform lighting is achieved for landing and loading activities.

### Floodlighting Without Glare

Floodlights fully illuminate the landing area uniformly and provide excellent depth perception. The low vertical beam, combined with an extension visor, completely eliminates any glare. The lamp filaments cannot be seen, even



*Surface Floodlight ~ Model 700*

when standing in the center of the pad.

### Double Duty Fixture

The Model 700 Surface Floodlight not only illuminates the center of the pad, but also has an omni-directional yellow perimeter light in its cover to outline the pad. A stainless steel wire guard protects the perimeter light lens.

### All Lights In One Circuit

Inexpensively wired, (with all lights in one circuit) it is possible to add or subtract floodlights where indicated and the utmost in flexibility is achieved. Power may be 120 VAC or 220 VAC as may be desired.

### Surface Floodlight

The Model 700 is housed in a weather-tight, machined aluminum casting to withstand hard use. It has a low profile, being only 13 inches high, 19 inches wide and 19 inches long, with three extension tabs to permit bolting to a concrete slab or a metal plate, for easy installation. It is finished in orange thermosetting powder coating polyester for maximum resistance to corrosion.

**Please Note:** All customers ordering floodlighting should be aware of the following: When installed on some types of heliports, you should follow the recommendations of the ICAO Heliport Manual 9261-AN/903. The floodlighting should be mounted outside the boundary of the TLOF (landing surface) such that the highest point on the installed light is not more than 10 inches (25 cm) above the level of the TLOF. Please be informed of these guidelines. With the release of FAA Advisory Circular 150-5390-2B; it recommends for heliport installations in the United States, there be no equipment or structures within the boundary of the Safety Area greater than 2 inches above the level of the TLOF (landing surface) with one exception: a perimeter light no higher than 8 inches above the level of the TLOF is allowed in the Safety Area.

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### Specifications

Case: Heavy Cast Aluminum  
Lens: Heat Resistant Glass  
Flood lamps: Par 46, 150 Watt Sealed  
Beam  
Perimeter Lamp: 35 Watt Incandescent  
Lens Guard: Stainless Steel  
Power: 120 VAC, or other  
Dimensions:  
Height: 13 Inches  
Width: 19 Inches  
Length: 19 Inches  
Weight: 38 pounds  
Finish: Polyester Powder  
Coating

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