


# POINT SURFACE FLOODLIGHT PSF LED

## COMBINATION SURFACE FLOODLIGHT & PERIMETER LIGHT

Compliances: ETL Listed to UL 1598; Control Number 3030033  
ETL Listed to CSA C22.2 No. 250.0-04 Canada

The PSF-57203 elevated LED light marks the perimeter (FATO) of a heliport and has a ground level surface mounted helipad floodlight intended to "wash" the landing surface with light. The purpose of the PSF floodlamps are to provide cones of light across the landing surface that provides improved conspicuity and depth perception to the pilot. The PSF floodlight is not intended to provide an even footcandle level across the pad. When that is desired, use general area floodlighting. The colored LED perimeter light head is to be circuited and controlled separately

The PSF floodlight housing is heavy duty cast aluminum with a strong cast aluminum cover. The unit includes a complete glare shield for the two (2) flood lamps. A ground lug is included. The PSF is powdercoat painted aviation yellow for corrosion resistance that meets the US Military Standard Salt Fog Test conducted per MIL-STD-810E, Method 509.3, Procedure I.

Point Type	Voltage	Color	Array	Options
 PSF-57203	1: 120v	Y: Yellow	H: Level 6	L: LED Floodlamps
	2: 220v	G: Green	P: Level 4	MT: Marine Treatment**
	3: 12 VDC (LED)	B: Blue	A: Level 3	CF: Cable Fitting
	4: 24 VDC (LED)	C: Clear	F: Level 8	VB: Variable Brightness Use with VB PHC controller
		R: Red		PLB: Base as Junction Box*
				PLS: Shallow Base as Junction Box*

\* Includes baseplate with 3/4-inch NPT entry.  
Cable, conduit, fittings by others

\*\* Option -MT:  
The fixture shall be treated for marine conditions by cleaning per US MIL method III of TT-C-490, chromate priming per US MIL-C-5541, epoxy powder base coat and final coat of glossy polyester powdercoat in color RAL 6003 (FED-STD-595 color #14097) dark green. Oven cured per US MIL-PRF-24712A.

Option -VB:  
The floodlight lamps are fixed brightness; -VB applies to the perimeter light head only that is separately circuited.



Note 1: Array H brightness exceeds ICAO Annex 14  
 Note 2: Shipped with two (2) halogen floodlamps  
 120v: 90 watts 230v: 120 watts  
 Note 3: Option -L LED floodlamps  
 120v: 5.6 watts 230v: 7.7 watts  
 For mounting details, see file 0MOUNTINGS

Note: For aircraft safety, this type of light should be installed set back from the defined landing surface marked FATO perimeter.





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Detail of Clamp Ring,  
Lamp & Gaskets  
Subassembly



### Replacement Parts

PL10736	Lamp 90w Halogen 120v
PL10736-1	Lamp 120w Halogen 230v
PL10718	Lamp 5.6w LED 120v
PL10718-1	Lamp 7.7w LED 230v
PL10737	Socket & Bracket Assembly
PL10567	Terminal Block
PL10735	Gasket, Lamp Seal
PL10798	Clamp Ring
PL10735-1	Gasket, Clamp Ring

Note: The LED perimeter light is factory sealed

Instruction Sheet:	IS57203
Lamp Life (hours):	2,000 Halogen 50,000 LED
Weight:	26 lbs 11.8 kg
Dimensions:	18 D 16.5 W 14.3 H (457) (419) 364
Bolt Pattern:	Four (4) holes for 3/8-16 screws Arranged on 2.50 x 15.25-inches
Cable Entry:	One (1) 3/4-inch NPT threaded hole for conduit or cable gland (by others)

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