



POINT SURFACE FLOODLIGHT PSF-EX

MARINE HELIDECK FLOODLIGHT CLASS I, DIVISIONS 1 & 2 WITH OPTIONAL BRIGHTNESS CONTROL

Compliances: ETL Listed Class I, Divisions 1 & 2, Groups C & D, T6 (over 55-deg C), IP66/67
 ETL Listed Class I, Zones 1 & 2, Groups IIA & IIB, T6 (over 55-deg C), IP66/67
 ETL Listed per UL 50E, UL 844, UL 1598 & UL 1598A Marine Vessels
 ETL Listed per CSA C22.2 No. 137-M1981 & No. 250.0-08 Canada
 Registered ISO 9001:2015
 ICAO Annex 14, Volume II
 American Bureau of Shipping (ABS) Type Approved Product
 International Maritime Organization (IMO) MODU Code 2001, para 13.5



The PSF-53018-EX is a medium intensity LED surface mounted helipad and helideck floodlight intended to "wash" the pad with light. The purpose of the PSF-EX is to provide cones of light "washing" the surface that provides improved conspicuity and depth perception to the pilot. The PSF uses a Point Lighting proprietary board mounted LED design for the two well-controlled directional beams angled 30 degrees apart. This fixture does not use lamps. The output is substantially brighter than any other competing heliport surface floodlight. Listed to IP66 & IP67.

Point Type	— Voltage	— EX	— Options & Rear Entry (2)
PSF-53018	1: 93-250 volts AC 3: 10.8-26.4 volts DC	EX: Class I Divisions 1 & 2 Zones 1 & 2	(blank): ¾-inch NPT 10: 1-inch NPT M20: Metric M25: Metric SNP: Safety Net Plate^ VB: Variable Brightness*

Intensity (per fixture): 4,348 lumens
 Peak (per beam): 7,609 candelas
 Total output per fixture: 15,218 candelas
 LED rated average life: 100,000 hours

T-number: T6 (85 deg C)
 T ambient: +55 deg C
 Operating: -55 deg C to +55 deg C
 Frequency: 50/60 Hz
 Ingress Rating: IP66 & IP67

Power Consumption:

34 watts	12/24 volts DC
34 watts	36 VA 120 volts AC
36 watts	38 VA 230 volts AC

All external hardware is grade 316 (A4) stainless steel.
 Metal castings are copper-free (< 0.2%) heat treated aluminum.

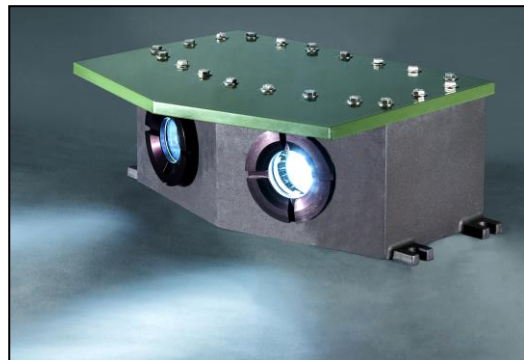
Note: It is recommended to install circuit level surge protection for the PSF circuit which may be an SPU Surge Protector Unit or a PHC System Controller.

Note: Cover hardware tool PL10839-PSFEX is required

^ Includes SS mounting hardware for PSF only.

* OPTIONAL BRIGHTNESS CONTROL: Provides 100% and two reduced steps. Requires use of a PHC adjustable brightness system controller.

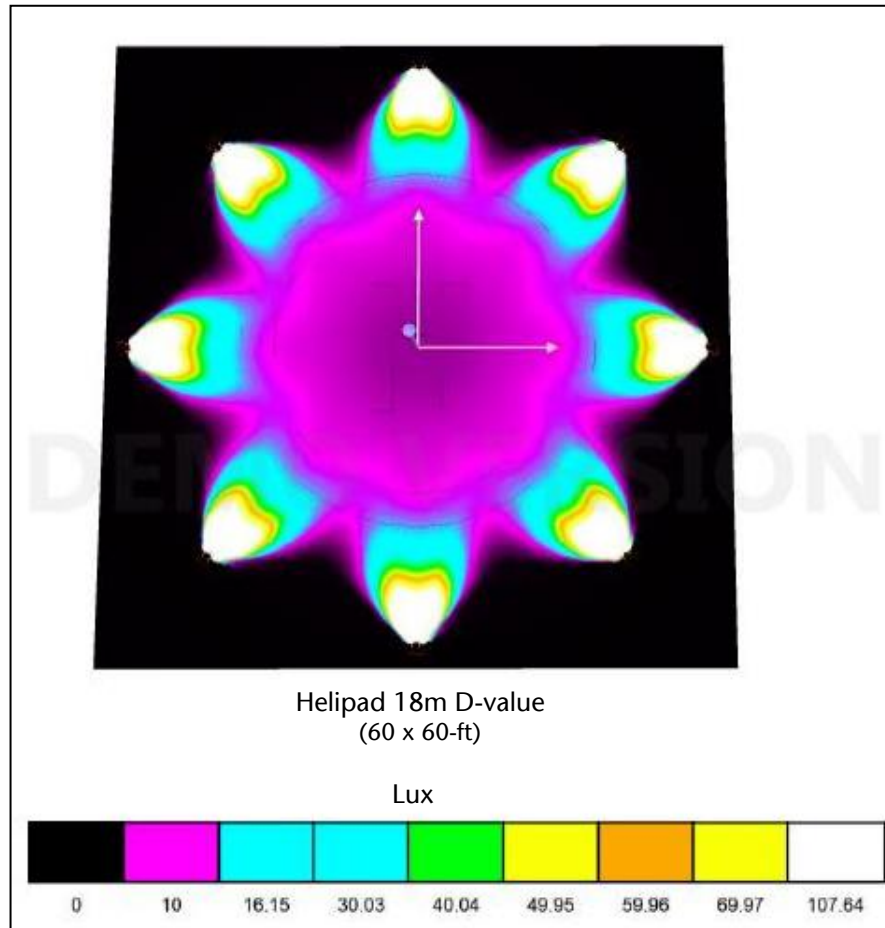
PSF-53018-1-EX



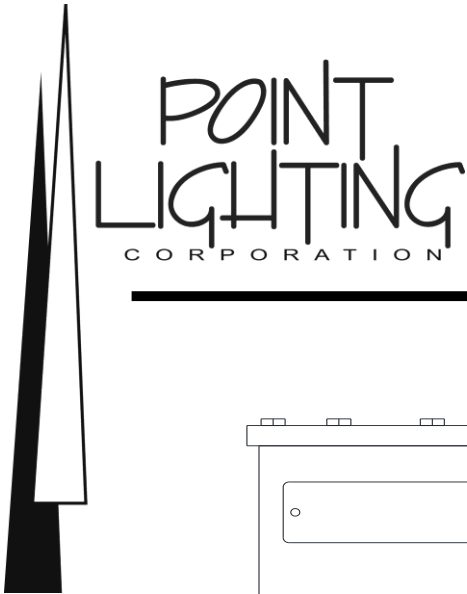
**POINT SURFACE FLOODLIGHT
PSF
HELIPORT LED FLOODLIGHT
WITH OPTIONAL BRIGHTNESS CONTROL**

TYPICAL PHOTOMETRIC PLOT

False color rendering of the isocandela plot using eight (8) PSF-53018 LED surface floodlights each with two angled beams peaking at 7,609 candelas measured on a calibrated Hoffman automatic goniometer.



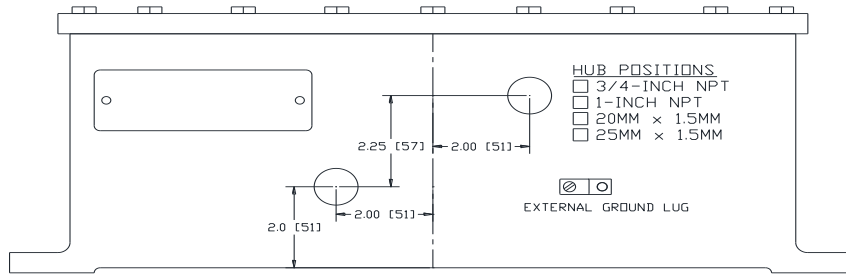
Instruction Sheet:	IS53018-EX	Replacement Parts (number per PSF)	
Weight:	48 lbs 22 kg	PL11251	Replacement LED Set (2)
Dimensions:	12.0 D 15.5 W 6.6 H (305) (394) (167)	PL10725-2-COB	Power Supply, AC (2)
Bolt Pattern:	Four (4) holes for 3/8-16 screws Arranged on flanges spaced 4.5 x 16.5-inches	PL10725-3-COB	Power Supply, DC (2)
Important Notes:	* Required for new installations ** No substitute by certification	PL11001-1	O-Ring, Cover (1)
		PL10049-S	O-Ring, Window (2)
		PL11047	Terminal Block (1)
		PL11141-1-SS**	Cover Bolts 316SS (20)
		PL10235-14-SS**	Washer Flat 316SS (20)
		PL10839-PSFEX*	Torque Wrench Kit



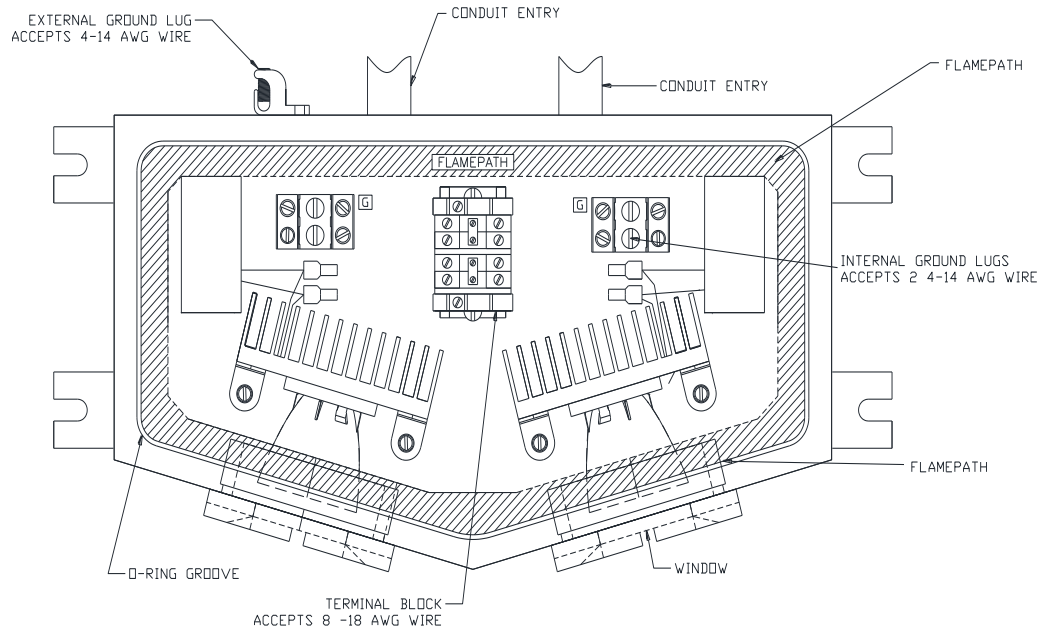
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PSF-53018-EX Rear View



PSF-53018-EX Top View



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