

POINT SURFACE FLOODLIGHT PSF HELIPORT LED FLOODLIGHT WITH OPTIONAL BRIGHTNESS CONTROL

Compliances: ETL Listed to UL 50E, UL 844 & UL 1598
 ETL Listed to UL 1598A Marine Vessels, IP66 & IP67
 ETL Listed to CSA C22.2 No. 137-M1981 & No. 250.0-08 Canada
 Registered ISO 9001:2015
 ICAO Annex 14, Volume II & UK CAP 437 ed. 8

The PSF-53018 is a high intensity LED surface mounted helipad and helideck floodlight intended to "wash" the pad with light. The purpose of the PSF is to provide cones of light "washing" the surface that provides improved conspicuity and depth perception to the pilot. The PSF floodlight housing is heavy duty cast aluminum with a strong aluminum cover. The body finish is black anodized for corrosion resistance. The marine treatment cover enhances the corrosion protection. The PSF uses a proprietary chip-on-board 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. Tool kit PL10839-PSFEX is required (one per site).

| Point Type | — | Voltage | — | Options & Rear Entries (2) |
|------------|---|---|---|--|
| PSF-53018 | | 1: 93-250 volts AC 3: 10.8-26.4 volts DC | | (blank): ¾-inch NPT 10: 1-inch NPT M20: Metric M25: Metric SNP: Safety Net Plate VB: Variable Brightness (3-steps)* |

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

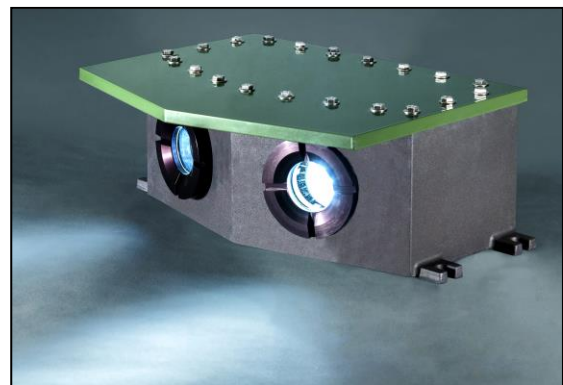
T-number: T6 (85 deg C)
 T ambient: +55 deg C
 Operating: -55 deg C to +55 deg C
 Frequency: 50/60 Hz
 Ingress Rating: IP66 & IP67

Power Consumption:

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

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

PSF-53018-1



All external hardware is grade 316 (A4) stainless steel.

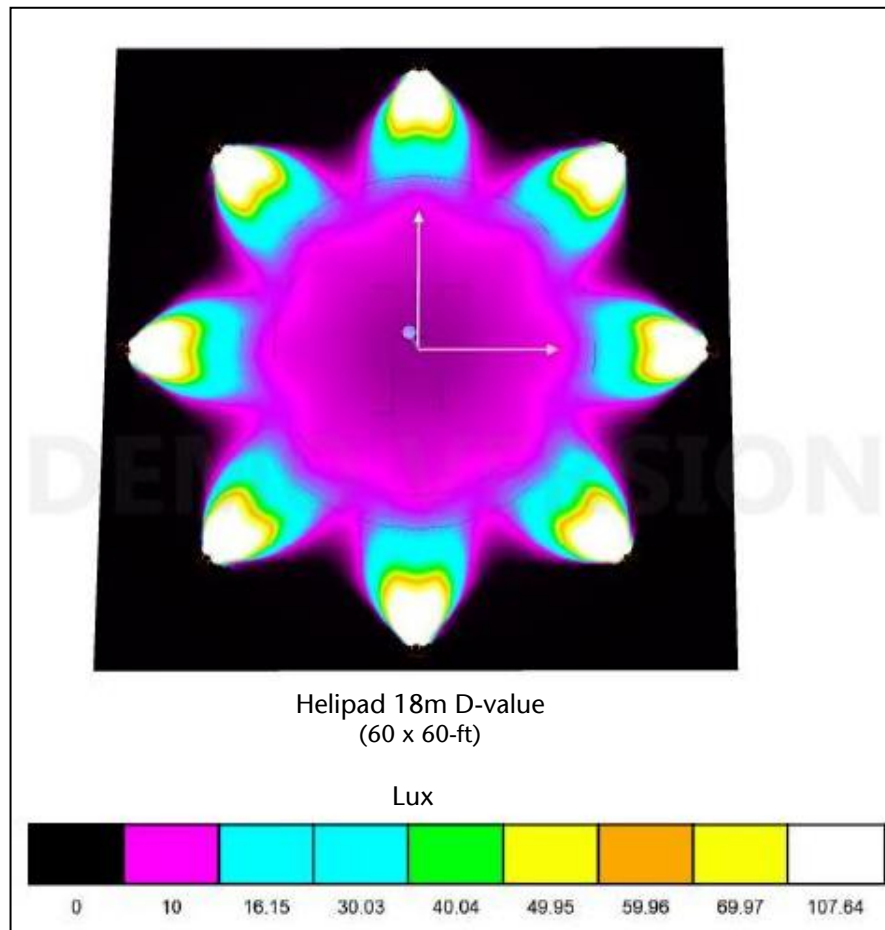
Metal castings are copper-free (< 0.2%) heat treated aluminum.

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.



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

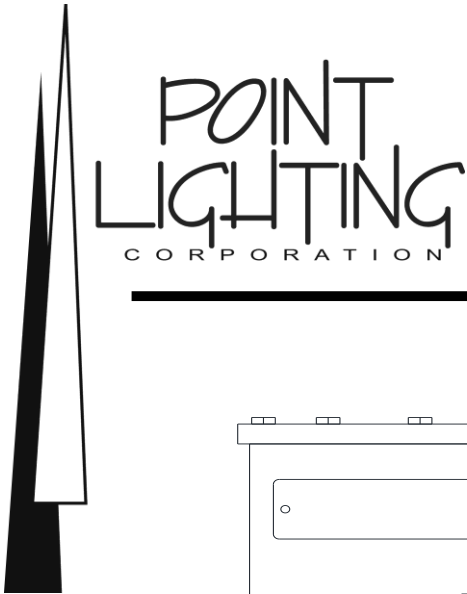
Weight: 48 lbs 22 kg
Dimensions: 12.0 D 15.5 W 6.6 H
(305) (394) (167)

Bolt Pattern: Four (4) holes for 3/8-16 screws
Arranged on flanges spaced
4.5 x 16.5-inches

Important Notes: * Required for new installations
** No substitute by certification

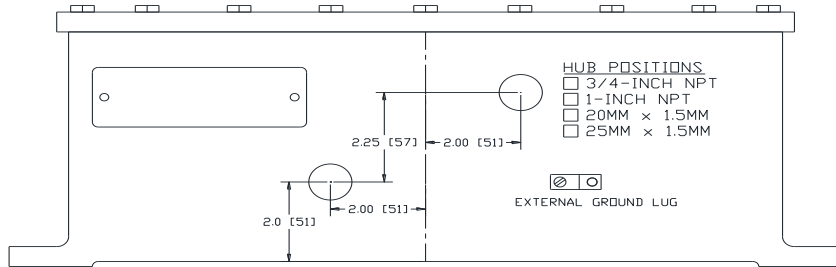
Replacement Parts (number per PSF)

| | |
|-----------------|-------------------------|
| PL11251 | Replacement LED Set (2) |
| PL10725-2-COB | Power Supply, AC (2) |
| PL10725-3-COB | Power Supply, DC (2) |
| 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 |

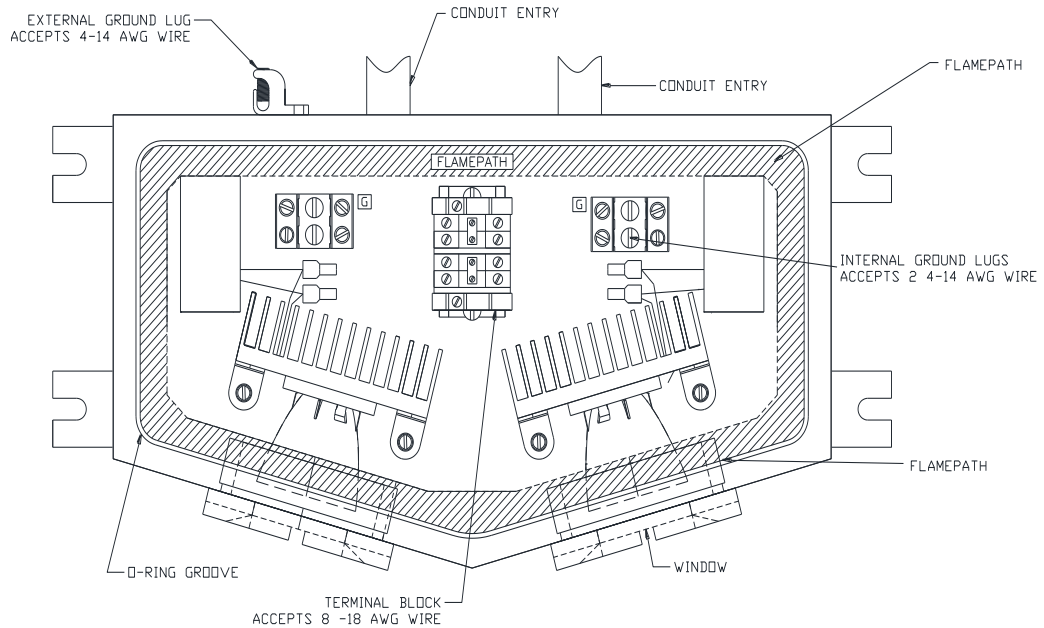


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PSF-53018 Rear View



PSF-53018 Top View



POINT LIGHTING CORPORATION

Mail: P.O. Box 686, Simsbury, CT 06070
 Tel 01 860.243.0600
 email: Info@PointLighting.com

USA

Plant: 61-65 W. Dudley Town Rd, Bloomfield, CT
 Fax 01 860.243.0665
 website: www.PointLighting.com