The PSF-53017-AX is a zones 1 & 2 medium intensity LED surface mounted helipad and helideck floodlight intended to "wash" the pad with light. The purpose of the PSF-AX is to provide cones of light "washing" the surface that provides improved conspicuity and depth perception to the pilot.

Marine Treatment of the cover and black anodizing of the body are included: The fixture shall be treated for marine conditions by cleaning per US Department of Defense TT-C-490 method III, pretreated with chrome-free aluminum conversion coating per US MIL-C-5541 type II, epoxy powder base coat primer and glossy polyester powder coat finish in color RAL 6003 (FED-STD-595 color #14097) dark green. Powder coating per US Department of Defense MIL-PRF-24712A type VI and oven cured.

Listed: Baseefa14ATEX0274
IECEx BAS 14.0130

Peak (per beam): 4,000 candelas
Total output per fixture: 8,000 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

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

Note: Cover hardware tool PL10839-PSFAX is required for all new installations.

Compliances: IECEx Listed Ex d IIB T6 Gb Ta -55 to +55-deg C IP66
ATEX Listed II 2 G Ex d IIB T6 Gb Ta -55 to +55-deg C IP66
Registered ISO 9001:2008
ICAO Annex 14, Volume II
UK CAA CAP 437, Chapter 3, paragraph 3.5
American Bureau of Shipping (ABS) Type Approved Product
ABS Green Passport per MEPC179 (59)
International Maritime Organization (IMO) MODU Code 2001, para 13.5
TYPICAL INSTALLATION PHOTOMETRY PLOTS FOR A 22 D-VALUE OCTAGONAL HELI DECK

Photometry software generated plots the average across the surface of the octagon

Plot A: Sixteen (16) PSF Surface Floodlights produces 31 lux average
Plot B: Eight (8) PSF Surface Floodlights produces 11.76 lux average
The two (2) flood lamps are positioned with the beam centerlines 30-degrees apart.