




POINT HELIDECK LIGHTS PRL-AX-LSM LED v4 ATEX-IECEX ZONE 1 & 2

Compliances: IECEx Listed: Ex eb mb IIC T5 Gb -55 to +55-deg C, IP66 & IP67

ATEX Listed:  II 2 G Ex e mb IIC T5 Gb

Notified Body: 0518 Sira Testing & Certification Ltd.

UK CAA CAP 437 ed. 8 (2016), Chapter 4 & Appendix C

Registered ISO 9001:2008

American Bureau of Shipping (ABS) Type Approved Product

ABS Green Passport per MEPC179 (59)

IMO 2009 MODU Code (2010) paragraph 13.5.20

Transport Canada TP14371, AGA 7.17

FAA AC 150/5390-2B Heliport Design Guide

ICAO Annex 14, Volume II



The PRL-AX-LSM is an 8-inch diameter surface mounted light *less than 6-inches high* used for metal helidecks or existing pavement heliports on the FATO perimeter. Standard with our marine treatment finish and internal & external ground lugs.
Suitable for use for all gas groups in Zone 1 and Zone 2 areas.

Point Type	Voltage	Array	Color	ATEX	Mounting	Options
PRL-97004	1: 120v ^ 2: 220v 3: 12v DC 4: 24v DC	H: Helideck C: CAP 437 N: NVG *	G: Green Y: Yellow W: White B: Blue R: Red IR: Infrared NVG	AX: ATEX & IECEx Zone 1 Zone 2	LSM: Low Surface Mount	M20: Metric M20 M25: Metric M25 NC: Night Vision NVG Compatibility**

Note: Array H brightness exceeds ICAO Annex 14

* For NVG tactical use only: PRL-97704-1N-IR-LSM-MT

** For use with visible (non-IR) array; adds IR LEDs.

^ Operates properly using 110v DC and 125v DC.

Certification testing was performed at 120v AC.

The PRL v4 H array is 4.5 watts at 120-220V

The PRL v4 C array is 7.4 watts at 120-220V

PRL-97004-2C-G-AX-LSM



Listed: SIRA 10ATEX5240X
IECEX SIR 15.0110X

T ambient: -55 to +55 deg C
Operating: -55 to +55 deg C
Frequency: 50/60 Hz
LED average life: 100,000 hours
Ingress Rating: IP66 & IP67

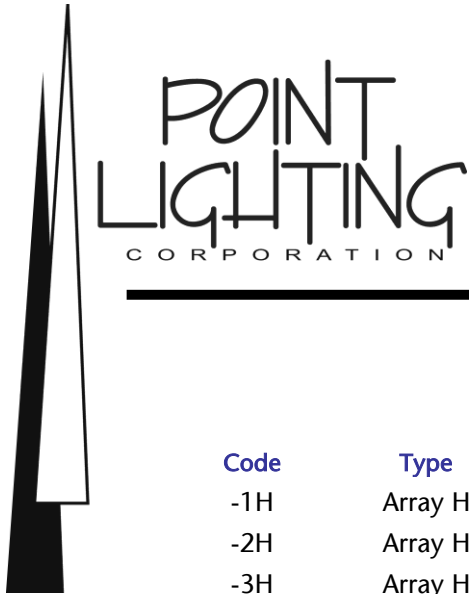
The Marine Treatment finish is used for all marine, high salt content air and other corrosive environments.

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.

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

Metal castings are copper-free (< 0.25%) heat treated aluminum.





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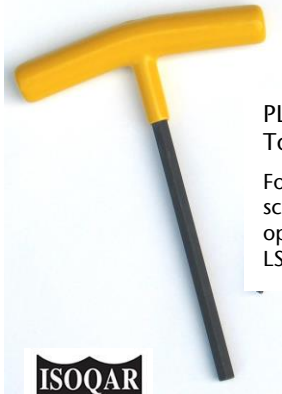
POWER CONSUMPTION

Code	Type	Voltage	Frequency	Watts*	VA*
-1H	Array H	120 AC	50/60 Hz	4.5	5.24
-2H	Array H	220 AC	50/60 Hz	4.5	5.47
-3H	Array H	12 DC	---	4.0	---
-4H	Array H	24 DC	---	4.0	---
-1C	Array C	120 AC	50/60 Hz	7.4	8.4
-2C	Array C	220 AC	50/60 Hz	7.4	8.0
-3C	Array C	12 DC	---	6.2	---
-4C	Array C	24 DC	---	6.0	---

*Power consumption for AC units includes the effect of the unit's power factor which accounts for the difference between watts and volt-amperes. Measurements were made at the nominal AC voltages. The operating range for 120v units is 93 - 144v. The operating range for 220v units is 176 - 250v.

RECOMMENDED TOOLS

Point Lighting Corporation recommends return for factory repair and refurbishment of LED PRL-AX lights



PL10860
Tool, T-handle Wrench

For the three socket head screws fixing the PRL optical subassembly to the LSM mounting base.



Replacement Parts

The optical subassembly is not serviceable in the field. Contact Point Lighting for more information.

- PL10049-4-AX Gasket ATEX, Base
- PL10524-125 Screw, Socket Head
- PL10860 Tool, T-handle wrench

Instruction Sheet: IS97004-AX-LSM

Housing Dia: 8.0 (203)

Height: 5.75 (146)

Bolt Circle (4): 9.75 (248)

Bolt Hole diam: 0.406-inch
10.3 mm

Weight: 12.0 lbs 5.5 kg

POINT LIGHTING CORPORATION

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