




# 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 9001:2015  
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 *only 146mm high* used for metal helidecks or existing pavement heliports on the FATO perimeter. Only 2.2 watts and 3.5 VA at 120V.

- The castings are copper-free (< 0.25%) aluminum.
- The lens is glass.
- The hardware is 316 (A4) stainless steel.
- The LED's are rated for 100,000 hours.
- ATEX & IECEx tested and listed.
- IP66 & IP67 tested and listed.
- Standard with the exclusive Point Lighting Marine Treatment finish that is bonded to the metal and far exceeds the corrosion resistance of the standard FAA approved finish. See below.

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

Note: Array C brightness exceeds ICAO Annex 14 & meets CAP 437.  
\*\* For use with visible (non-IR) array; adds IR LEDs.  
^ Operates properly using 110v DC and 125v DC.

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

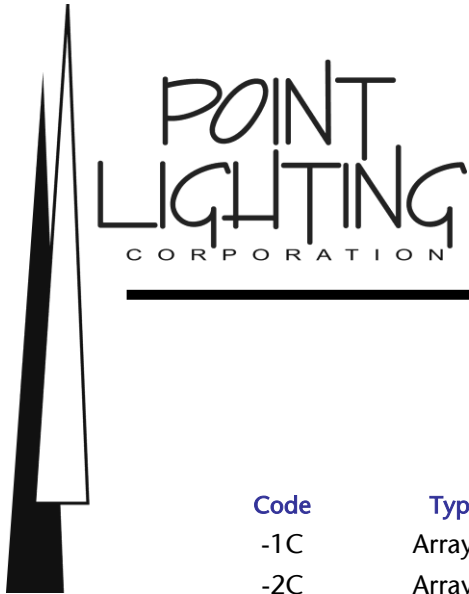
PRL-97004-2C-G-AX-LSM



Our Marine Treatment tolerates 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.*





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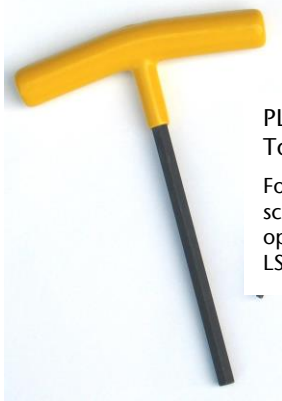
## POWER CONSUMPTION

Code	Type	Voltage	Frequency	Watts*	VA*
-1C	Array C	120 AC	50/60 Hz	2.2	3.5
-2C	Array C	220 AC	50/60 Hz	2.5	5.8
-3C	Array C	12 DC	---	2.1	---
-4C	Array C	24 DC	---	2.5	---

\*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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