



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

Compliances:



II 2 G Ex e mb IIC T5 Gb

Notified Body: 0518 Sira Testing & Certification Ltd.

UK CAA CAP 437

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.

See file 0MOUNTINGS detail H14

Standard with 2 x 1-inch NPT at entries 0 & 180-degrees

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: 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.

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

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

Certificate Number: SIRA 10ATEX5240X

T ambient: -55 deg C to +55 deg C

Operating: -55 deg C to +55 deg C

Frequency: 50/60 Hz

Ingress Rating: IP 66

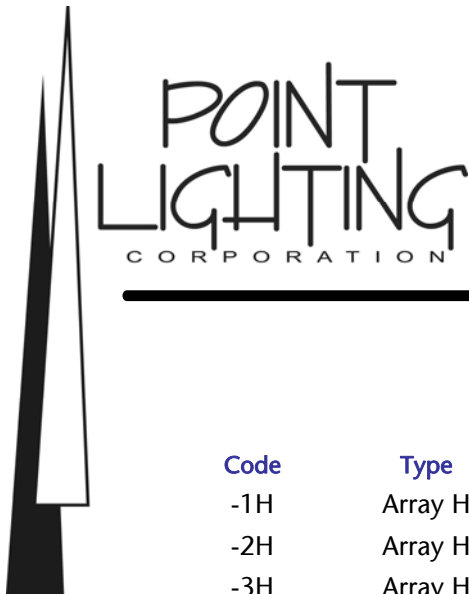
PRL-97004-2C-G-AX-LSM



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 MIL method III of TT-C-490, chromate priming per US MIL-C-5541, epoxy powder base coat and glossy polyester powdercoat finish coat in color RAL 6003 (FED-STD-595 color #14097) green. Oven cured per US MIL-PRF-24712A.





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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
PL10524-118 Screw, Socket Head
PL10860 Tool, T-handle wrench

Instruction Sheet: IS97004-AX-LSM

LED Life (hours): 100,000

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

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