




POINT ROLLOVER LIGHTS

PRL-AX LED v4

ATEX-IECEX ZONE 1 & 2

Compliances: IECEx Listed: Ex eb mb IIC T5 Gb -55 to +55-deg C
 ATEX Listed:  II 2 G Ex e mb IIC T5 Gb
 Notified Body: 0518 Sira Testing & Certification Ltd.
 Tested & Certified to IP66, IP67 & IP69 Ingress Protection
 UK CAA CAP 437 ed. 8 (2016), Chapter 4 & Appendix C
 Registered ISO 9001:2015
 American Bureau of Shipping (ABS) Type Approved Product
 IMO 2009 MODU Code (2010) paragraph 13.5.20
 FAA AC 150/5390-2B Heliport Design Guide
 ICAO Annex 14, Volume II



The PRL-AX LED Point Rollover Light is a 12-inch diameter semiflush light used for metal helidecks on the TLOF and/or the FATO perimeter used for ATEX Zone 1 & 2 helideck TLOF and FATO applications. The PRL may be dropped into a hole cut in the metal deck and secured with six screws on a 10-¼ inch bolt circle. The thick glass dome lens passed the impact test per IEC 60079-0:2007. The lens and optical assembly are sealed mechanically. Standard with our marine treatment finish and internal & external ground lugs on the PLB base. Standard with 2 x 1-inch NPT at entries 0 & 180-degrees. Suitable for use for all gas groups in Zone 1 and Zone 2 areas. Note: Minimum opening in the helideck is 207mm per side square opening or minimum 222mm diameter round opening.

Point Type	Voltage	Array	Color	AX	Mounting	Options
PRL-97704	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	PLB: Base 254mm PLS: Base 102mm (base depth)	M20: Metric M20 M25: Metric M25 NC: NVG** Compatibility

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 & IP69

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.

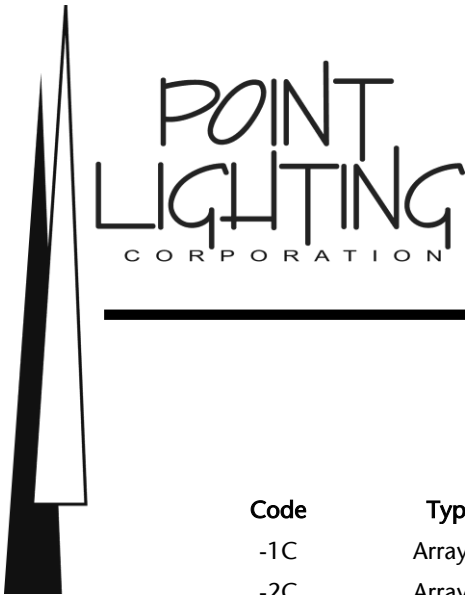
PRL-97704-2C-G-AX-PLB
 FOR OFFSHORE METAL HELIDECKS

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.

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*
-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	---

Option -NC Add 1.0 watt and 1.1 VA

*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.

Instruction Sheet: IS97704-AX

Projection: 1.63 (41)
(above deck)

Base Diameter: 8.0 (203)
PLB Depth: 10.0 (254)
PLS Depth: 4.0 (102)

Weight: 17.0 lbs 7.7 kg
Volume: 0.37 ft³ .013 m³

Replacement Parts

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

PL10049-4-6 Gasket, Base
PL10524-125 Screw, Socket Head

PL10860 Tool, T-handle wrench



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