



POINT ROLLOVER LIGHTS

PRL-EX-SR LED v4

CLASS I, DIVISION 2 & ZONE 2

Compliances: ETL Listed Class I, Division 2, Groups A B C D at -40 deg C to +55 deg C
 ETL Listed Class I, Zone 2, Groups IIA, IIB+H2, IIC at -40 deg C to +55 deg C
 ETL Listed to UL 844 & UL 1598



ETL Listed to UL 1598A Marine Vessels at -40 deg C to +55 deg C
 Tested & Certified to IP66, IP67 & IP69 Ingress Protection
 ETL Listed to CSA C22.2 No. 137-M1981 & No. 250.0-08 Canada
 Registered ISO 9001:2015
 FAA AC 150/5390-2B Heliport Design Guide
 ICAO Annex 14, Volume II
 UK CAA CAP 437 & Transport Canada TP14371, AGA 7.17
 Mechanical Load Tested by Intertek to CAP 437 para. 4.2.3 & 5.2.3
 IMO 2009 MODU Code (2010) paragraph 13.5.20
 American Bureau of Shipping (ABS) Type Approved Product



The PRL-EX-SR Point Rollover Light is a semiflush LED light used for metal helidecks on the TLOF and/or the FATO perimeter used for Class I, Division 2 helideck TLOF and FATO applications. The PRL may be dropped into a minimum 232mm (9.125-in) diameter hole cut in the metal deck and secured with four screws. The thick glass dome lens passed the impact test per IEC 60079-0:2007. The clear lens and optical assembly are sealed mechanically. Note: Minimum opening in the helideck is 232mm (9.125 inches) diameter round opening. Note: 24mm height complies with CAP 437.

Point Type	Voltage	Array	Color	EX	Mounting	Options
PRL-97004	1: 120v 2: 220v 3: 12v DC 4: 24v DC	C: Heliport	G: Green Y: Yellow W: White B: Blue R: Red	EX: Class I Div 2 Zone 2	SR: Seating Ring Stainless Steel	PLB: Base 10-inch* PLS: Base 4-inch* NC: NVG** Compatibility

The seating ring and all external hardware is grade 316 (A4) stainless steel.

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

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.

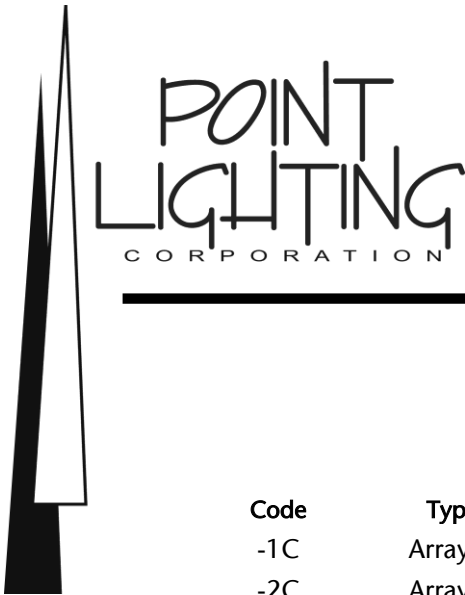
Note: Array C brightness exceeds ICAO Annex 14 & meets CAP 437

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

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

PRL-97004-2C-G-EX-SR-PLS
 FOR OFFSHORE METAL HELIDECKS
 WITH PLS BASE





POINT ROLLOVER LIGHTS PRL-EX-SR LED v4 CLASS I, DIVISION 2 & ZONE 2

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.

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

Instruction Sheet: IS97004-EX-SR

LED Life (hours): 100,000

Projection: 0.944 (24)
(above deck)

Weight:	lbs	kg
without base	15.0	6.8
with -PLS	20.0	9.1
with -PLB	23.0	10.4

Replacement Parts

PL10049-4-6	Gasket, Base
PL10524-1	Screw, Socket Head
PL11150-1	Screw, Socket Head (with base)
PL10860	Tool, T-handle wrench



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