



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
 ETL Listed to CSA C22.2 No. 137-M1981 & No. 250.0-08 Canada
 Registered ISO 9001:2008
 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	H: Heliport	G: Green	EX: Class I Div 2 Zone 2	SR: Seating Ring Stainless Steel	PLB: Base 10-inch*
	2: 220v	C: CAP 437	Y: Yellow			PLS: Base 4-inch*
	3: 12v DC		W: White			NC: NVG**
	4: 24v DC		B: Blue R: Red			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. Standard in green as shown; available in yellow and white.

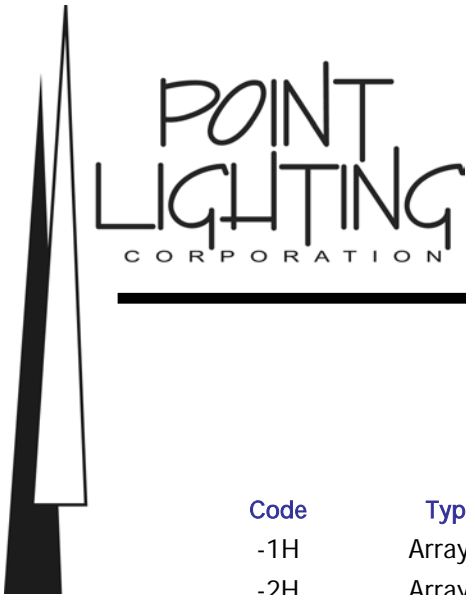
The fixture shall be treated for marine conditions by cleaning per US Department of Defense TT-C-490 method III, pretreated with chrome-free aluminum conversion coating per US MIL-C-5541 type II, epoxy powder base coat primer and glossy polyester powder coat finish in color RAL 6003 (FED-STD-595 color #14097) dark green. Powder coating per US Department of Defense MIL-PRF-24712A type VI and oven cured.

The PRL v4 H array is 4.5 watts at 120-220V
 The PRL v4 C array is 7.4 watts at 120-220V

Note: Array H brightness exceeds ICAO Annex 14
 * 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





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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	---

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

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

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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