**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 II A, II B, II C 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 9001:2015
- 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.

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

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 according to 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.
### POWER CONSUMPTION

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Watts*</th>
<th>VA*</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1C</td>
<td>Array C</td>
<td>120 AC</td>
<td>50/60 Hz</td>
<td>2.2</td>
<td>3.5</td>
</tr>
<tr>
<td>-2C</td>
<td>Array C</td>
<td>220 AC</td>
<td>50/60 Hz</td>
<td>2.5</td>
<td>5.8</td>
</tr>
<tr>
<td>-3C</td>
<td>Array C</td>
<td>12 DC</td>
<td>---</td>
<td>2.1</td>
<td>---</td>
</tr>
<tr>
<td>-4C</td>
<td>Array C</td>
<td>24 DC</td>
<td>---</td>
<td>2.5</td>
<td>---</td>
</tr>
</tbody>
</table>

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.

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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