



POINT HELIDECK LIGHTS PRL LED AX 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: SGS Fimko Oy NB# 0598
 Tested & Certified to IP66, IP67 & IP69 Ingress Protection
 UK CAA CAP 437 ed. 8 (2016), Chapter 4 & Appendix C
 American Bureau of Shipping (ABS) Type Approved Product
 Transport Canada TP14371, AGA 7.17
 FAA AC 150/5390-2 Heliport Design Guide
 ICAO Annex 14, Volume II



The PRL LED Point Rollover Light is used for heliport lighting applications where an inset light is required. It provides better visibility and circling guidance than comparable incandescent lights. The thick glass dome lens passed the impact test per IEC 60079-0:2007. Standard with our marine treatment finish and internal & external ground lugs. Suitable for all gas groups in Zone 1 and Zone 2 areas.

See 0MOUNTINGS details H09 & H11 PLS bases are standard with 2 x 1-inch NPT at entries 0 & 180-deg

Point Type	Voltage	Array	Color	AX	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	AX: ATEX & IECEx Zone 1 Zone 2	PLS: Base 127mm	M20: Metric M20 M25: Metric M25 NC: NVG Compatibility*

Listed: SIRA 10ATEX5240X
IECEX SIR 15.0110X

Note: Array C brightness exceeds ICAO Annex 14 & meets CAP 437
 * For use with visible (non-IR) array; adds IR LEDs.

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

PRL-97004-2C-G-AX-PLS



Note: The PLS base is required for ATEX-IECEX certification.

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.

All external hardware is grade 316 (A4) stainless steel.

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



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.

RECOMMENDED TOOLS



PL10860
Tool, T-handle Wrench
For the three socket head screws fixing the PRL fixture to the PLS mounting base.

PL10839
Tool, Preset Torque Wrench Kit
For the socket head screws fixing the PRL lens clamp ring and for fixing the power supply subassembly.
Consult the factory and the manual before attempting field repair.

Instruction Sheet: IS97004-AX-LSM

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

Replacement Parts

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

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

PL10860 Tool, T-handle wrench



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