

INSTRUCTION SHEET PEL-57005 MEDIUM INTENSITY ELEVATED EDGE LIGHT LED VERSION

The Point Elevated Light PEL-57005 lights consist of a clear globe mounted on yellow powder-coat painted cast aluminum lamp housing secured by a gasket and stainless steel clamp band. The fixture mounts on metal conduit. The light has three wire leads with unfinished ends for splicing in the field. The color of the LED Array board dictates the color of the light output.

CATALOG NUMBERING SYSTEM

Point Type -	Voltage	Array -	Fixture Color -	Height-	Options
PEL-57005	1: 120V ¹ 2: 220V ²	H: Heliport C: CAP 437 N: NVG *	R: Red B: Blue W: White G: Green Y: Yellow IR: Infrared**	14: 14 Inches 24: 24 Inches 30: 30 Inches "Blank"	MT: Marine Treatment NC: NVG Compatibility*** LP34: 3/4" NPT Coupling

*For NVG tactical use only **For use with N Array only ***For use with visible (non-IR) array; adds IR LEDs

¹ 120 VAC 50/60 Hz (+/- 20%)

² 220 VAC 50/60 Hz (176-250V)

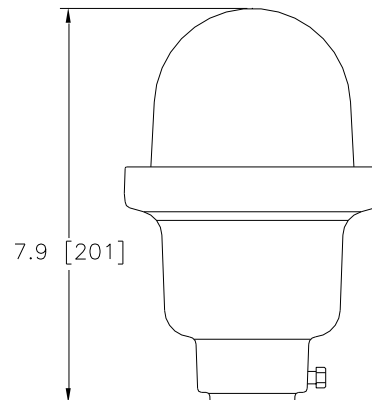


CONFORMS TO:
UL STD 1598
UL STD 1598A
CERTIFIED TO:
CSA STD C22.2 No. 250.0

PICTURE

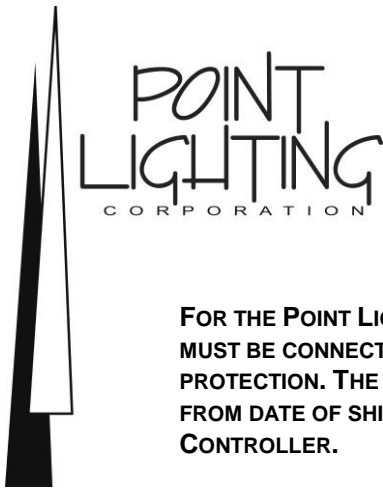


OUTLINE DRAWING



IMPORTANT NOTICE

The installer assumes full responsibility for the proper application and safe installation of this unit in accordance with these instructions, the National Electric Code, and all other state and local codes and practices. POINT LIGHTING CORPORATION accepts no responsibility for damages to property or injury to personnel for the improper use of this product or its failure under any circumstances. POINT LIGHTING CORPORATION's warranty is limited to the replacement of the defective unit only if the failure is the result of a manufacturing defect.



FOR THE POINT LIGHTING LIMITED WARRANTY TO BE IN EFFECT, AN LED HELIPORT LIGHTING SYSTEM MUST BE CONNECTED TO A PHC HELIPORT LIGHTING CONTROLLER WITH INTEGRAL SURGE PROTECTION. THE LIGHTS ARE WARRANTED AGAINST FAILURE FROM ALL CAUSES FOR ONE YEAR FROM DATE OF SHIPMENT WHEN PROPERLY INSTALLED WITH A PHC HELIPORT LIGHTING CONTROLLER.

AN LED LIGHT INCORPORATES AN ELECTRONIC POWER SUPPLY AND NEEDS TO BE PROTECTED FROM TRANSIENT VOLTAGE SPIKES AND OTHER SURGES. SURGES MUST BE CLAMPED AND SHUNTED TO GROUND TO PREVENT EQUIPMENT DAMAGE. SURGES CAN ORIGINATE FROM EXTERNAL SOURCES SUCH AS LIGHTNING STRIKES AS WELL AS SOURCES INTERNAL TO THE SITE ELECTRICAL SYSTEM SUCH AS AIR CONDITIONERS, ELEVATORS, SWITCHING POWER SUPPLIES. THESE INTERNAL TRANSIENTS WILL AFFECT ANY LOAD CONNECTED TO THE SAME DISTRIBUTION PANEL.

IMPORTANT: THE PEL FIXTURE IS FACTORY SEALED. REMOVING THE CLAMP BAND, LENS OR IN ANY WAY ENTERING THE SPACE CONTAINING THE POWER SUPPLY AND LED ARRAY WITHOUT INSTRUCTIONS FROM THE FACTORY, VOIDS THE WARRANTY AND MAY RESULT IN PREMATURE FAILURE OF THE LIGHT. THE WIRE LEADS ARE SEALED AT THE ENTRY POINT TO THE LED HEAD SUBASSEMBLY. BREAKING THE SEAL OF THE WIRES VOIDS THE WARRANTY.

ALL PEL LED UNITS ARE INDIVIDUALLY TESTED AT THE FACTORY BEFORE SHIPMENT. ANY ATTEMPT TO DISASSEMBLE OR TO FIELD TEST THE FUNCTIONS OF THE LIGHT ASSEMBLY VOIDS THE WARRANTY.

WARNING: DO NOT INSTALL AIR TERMINALS (LIGHTNING RODS) NEAR OR ON ANY POINT LIGHTING FIXTURES. AIR TERMINALS WILL INCREASE THE POSSIBILITY OF FAILURES AND WILL VOID THE FACTORY WARRANTY. FIXTURE GROUND WIRES MUST NOT BE CONNECTED TO BUILDING/TOWER LIGHTNING PROTECTION SYSTEM DOWN CONNECTORS.

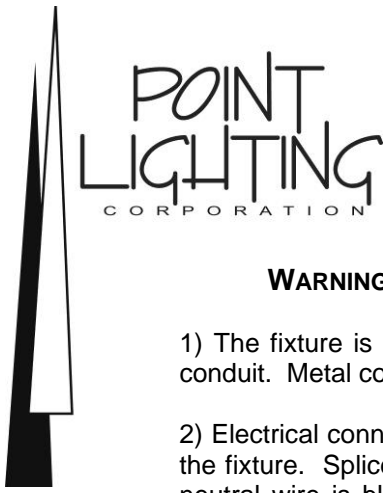
NOTE: THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS A DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE WHEN THE EQUIPMENT IS OPERATED IN A COMMERCIAL ENVIRONMENT. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND, IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS. OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE.

POWER CONSUMPTION PER PEL LED LIGHT HEAD

Code	Voltage	Watts	Amps	VA
-1H	120 ¹	3.3	.2	5.1
-2H	220 ²	3.3	.2	5.5
-1C	120 ¹	5.2	.3	8.4
-2C	220 ²	5.1	.3	8.0

POINT LIGHTING CORPORATION

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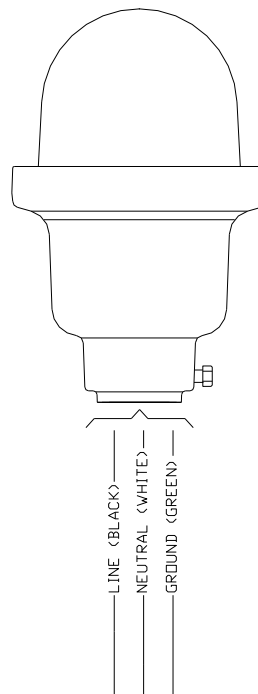


INSTALLATION INSTRUCTIONS

WARNING: TURN OFF THE ELECTRICITY AT THE SOURCE BEFORE SERVICING.

- 1) The fixture is shipped assembled in the box. Thread the PEL's hub to proper size metal conduit. Metal conduit with a minimum wall thickness of 0.020-inch (0.505mm) is required.
- 2) Electrical connections are to be performed in a suitable junction box located within 3-feet of the fixture. Splice the white wire (Neutral) to the system neutral, in 220 volt export orders the neutral wire is blue. Splice the black wire (Line) to the system line. Splice the green wire (Ground) to the system ground. Make splices using proper electrical practices per the NEC and local codes.
- 3) The PEL must be leveled so the lamp is in a vertical position base-down perpendicular to the mounting surface. The -LP34 option includes a 3/4" NPT coupling. If necessary, loosen the three (3) hex head screws that secure the upper head subassembly to the extension column, adjust the position as required and retighten the screws.

WIRING DIAGRAM



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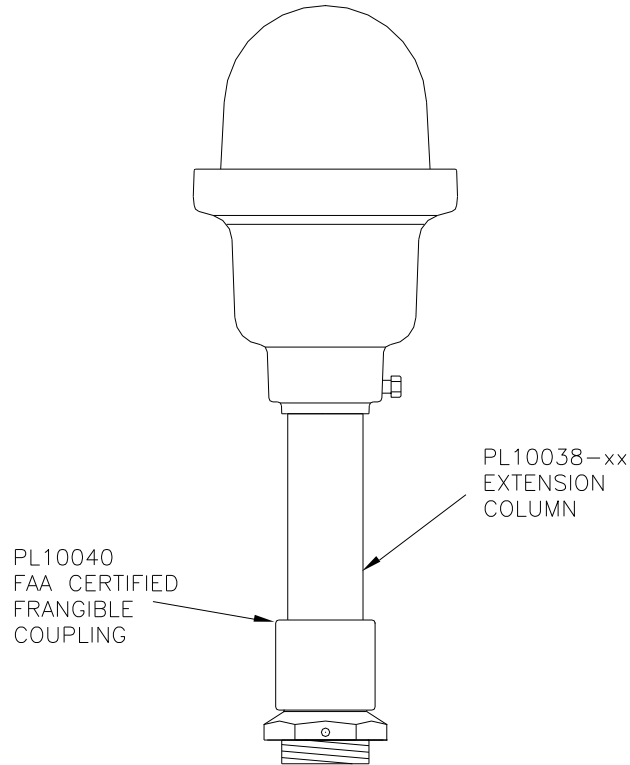
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REPLACEMENT PARTS

Part Number	Description	Qty
PL10040	Breakable Coupling 1.5"	1
PL10040-MT	Breakable Coupling 1.5" Marine Treatment	1
PL10118	3/4" NPT Coupling	1
PL10038	Extension Column (14")	1
PL10038-24	Extension Column (24")	1
PL10038-30	Extension Column (30")	1
PL10038-MT	Extension Column (14") Marine Treatment	1
PL10038-24-MT	Extension Column (24") Marine Treatment	1
PL10038-30-MT	Extension Column (30") Marine Treatment	1

PEL-57005 REPLACEMENT HEADS

Point Type	—Power	Array	—Color	—Style	—Options
PEL-57005	1: 120V 2: 220V	H: Heliport C: CAP 437 N: NVG	G: Green Y: Yellow W: White R: Red B: Blue IR: Infrared	H00: Standard - Steady Burning Head	NC: NVG Compatible MT: Marine Treatment

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