

POINT HELIPORT BEACON PHB LED IDENTIFICATION BEACON

Compliances: ETL Listed to UL 1598 & UL 1598A Marine Vessels
 ETL Listed to CSA C22.2 No.250.0-04 Canada
 ETL Verified FAA L-864 to FAA Advisory Circular 150/5345-43F
 FAA Advisory Circular 150/5390-2B, para. 210.f, 310.h, 410.f.
 ICAO Annex 14 Heliports, Volume II, para. 5.3.2. 1 to 5
 ICAO Annex 14 Aerodromes, Volume I, para. 5.3.3.8 to 14
 Army TM 5-811-5, para. 7-5.b. Station Identification
 Class I, Division 2, Groups A B C D, T6 (option -EX)
 Class I, Zone 2, Groups IIA IIB+H2 IIC, T6 (option -EX)
 American Bureau of Shipping (ABS) Type Approved Product

The PHB LED medium intensity identification beacon (patents applied for in the U.S. and abroad) is specified to mark the heliport or airport location. All castings are aluminum, all hardware is stainless steel and the lens is glass. There is no plastic. All exterior metal beacon parts are powdercoat painted aviation yellow for corrosion resistance that meets the US Military Standard Salt Fog Test conducted per MIL-STD-810E, Method 509.3, Procedure I.

Point Type	Color	Voltage	Options
PHB-37001	C: Clear/White	1: 120 volts ±20%	H: Heliport 3-Color Flash Control
	G: Green	2: 220 volts ±20%	HA: Heli/Airport 2-Color Flash Control
	Y: Yellow	3: 12 VDC	M: Morse Code (ICAO) Flash Control
	R: Red	4: 24 VDC	MA: Morse Code with Alarms
			MT: Marine Treatment
			EX: Class I, Div 2, Groups A B C D, T6
			DP: Double Peak White (MIL)

FEATURES

- Over voltage & over current protection
- Short circuit & open circuit protection
- Metal oxide varistor surge protection
- No external plastic parts
- Modular components for servicing
- Replaceable LED array sections (5)



PHB-37001-CGY-1-H

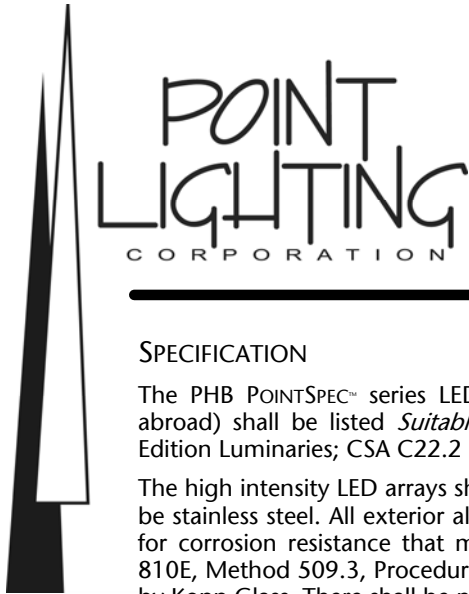


Intensity: 2,000 candelas
 Wattage: 70.2 watts Peak (AC & DC)
 52.5 watts Average (AC & DC)
 Volt-Amps: 110.4 VA (120V AC only)
 Input Range: 93 to 144 volts (120V unit)
 176 to 264 volts (220V unit)
 Temp Rating: ± 55° C
 Dimensions: 15 (381) x 15 (381) x 12 (304) H
 Inches (mm)
 Weight:: 41 lbs 18.6 kg
 Mounting: 4 Holes on 13.25-inch circle



PATENT PENDING

HL-3.1.5 August, 2011



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SPECIFICATION

The PHB POINTSPEC[®] series LED heliport identification beacon (patents applied for in the U.S. and abroad) shall be listed *Suitable for Use in Wet Locations* to UL1598A Marine Vessels, UL1598 2nd Edition Luminaries; CSA C22.2 No. 250.0-04, 2nd Edition. Sealed to IP66 ingress protection.

The high intensity LED arrays shall be replaceable and fitted with plug-in connectors. All hardware shall be stainless steel. All exterior aluminum cast beacon parts shall be powdercoat painted aviation yellow for corrosion resistance that meets the US Military Standard Salt Fog Test conducted per MIL-STD-810E, Method 509.3, Procedure I. The clear lens shall be made of strong soda-lime glass manufactured by Kopp Glass. There shall be no plastics used in the structural construction of the beacon.

OPTION –M:

The Morse Code beacon shall comply with ICAO Annex 14, Volume II, paragraph 5.3.2. The basic unit shall flash message “H” unless the user specifies a different message to be factory programmed. The peak beam in white shall be 2,500 candelas. For specific national requirements, the beacon color may be green.

OPTION –MA:

In addition to the features of option –M, the Morse Code beacon shall have an external NEMA 4X control unit displaying LED array failure alarm and flasher failure alarm. An ON-OFF-AUTO switch on the door may be used with an FAA photoelectric controller (ordered separately) in the AUTO position.

OPTION –H:

The 3-color heliport beacon shall flash alternately white (clear), yellow, green at the FAA specified flash rate of 36 flashes per minute. The beacon is low intensity at 2,500 candelas in white intended for use at privately owned heliports where an optional visual aid is desired to enhance marking the heliport site location as noted in FAA Advisory Circular 150/5390-2B, paragraph 210.f (2004).

Flash rate: 36 per minute Each color flashes 12 times per minute

OPTION –HA:

The 2-color heliport beacon shall flash alternately white (clear) and green or yellow at the FAA specified flash rate of 24 flashes per minute. The beacon is low intensity at 2,500 candelas in white intended for use at privately owned airports and heliports where an optional visual aid is desired to enhance marking the site location.

Flash rate: 24 per minute Each color flashes 12 times per minute

OPTION –DP:

The flash of the white (clear) LEDs shall be double-peaked (meaning a double flash) as appears in US Military specifications.

OPTION –MT:

The beacon shall be treated for marine conditions by cleaning per US MIL method III of TT-C-490, chromate priming per US MIL-C-5541, epoxy powder base coat and glossy polyester powdercoat finish coat in color RAL 6003 (FED-STD-595 color #14097) green. Oven cured per US MIL-PRF-24712A.



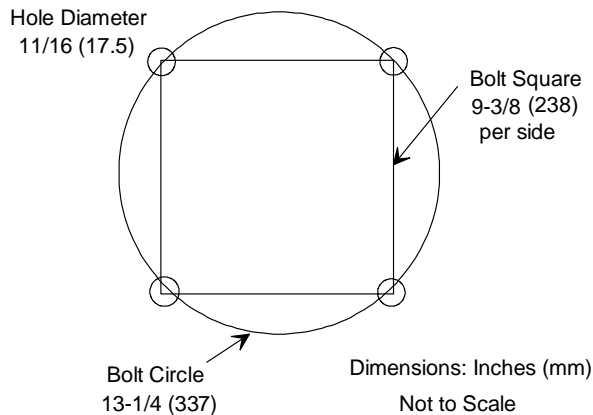
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SPARE PARTS & SERVICE

Do not open the beacon unless there has been an in-service failure. Opening the beacon before installation voids the warranty. See the instruction manual for troubleshooting procedures. All service must be performed inside a maintenance facility under clean and dry conditions.

See the instruction manual for a list of field servicable parts. Contact Point Lighting for return repair service instructions. Do not attempt any testing or repair procedure not stated in the manual.

Beacon Mounting Pattern



BEACON CABLE PIGTAIL

Length: Two (2) meters
Type: SOOW 600-volt
Wires: Three (3) each #16 AWG

TYPICAL SYSTEM WIRING

Power (3): Line-Neutral-Ground
Typically #12 AWG

See Manual for specific wiring schemes

REPLACEMENT PARTS

PL10754	Lens, Outer Clear	PL10807	Gasket, Lens Upper
PL10752	Reflector	PL10806	Gasket, Lens Lower

See Instruction Manual for parts specific to the version installed at specific location.



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