



## POINT SOLAR LIGHTING SOL LED SOLAR POWERED HELIPORT LIGHTING



### PRODUCTS OF POINT LIGHTING FOR SOLAR POWERED HELIPORTS, VERTIPORTS & HELIDECKS

Point Lighting is an Intertek inspected FAA lighting manufacturer since 1993 with thousands of installed sites around the world. The individual products below can be switched wirelessly using a handheld device from as far as 4-kilometers distant. These lights are the same specification grade photometrics and brightness as their AC powered versions.



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Minimum solar insolation requirements provided are based on a temperature of 32-deg F (0-deg C). Locations with temperatures below freezing will have a reduced battery capacity and will require higher solar insolation values. Extremely low temperature sites may not be compatible with solar power. Consult the factory for assistance.

### PEL: HELIPORT PERIMETER LIGHT

SEE CATALOG FILES HL136PELV7 & HL139PELV7 FOR COMPLETE PRODUCT DETAILS



OBSTRUCTION LIGHT – SEE FILE HL188POLV7

POL-21007-5B-R-SOL



Solar Powered Perimeter Light – Automatic & All-Night

FAA L-810 & ICAO low intensity Type B compliant.

Autonomy is 4.4 days (battery capacity without sun)

Automatic operation via solar controller.

Optional foot-plate (-FP) for staking or weighting.

For any location in the world that exceeds an insolation value of 2 kWh/m<sup>2</sup>/day or higher.

PERIMETER LIGHT – SEE FILE HL136PELV7

PEL-57007-5C-G-SOL-C094

Solar Powered Perimeter Light – Wireless Switching

ICAO & FAA compliant photometrics.

Three (3) hours total run-time based on 6 cycles per night year round.

Wireless operation available as option -C094 or -C094A.

Operating range up to 4,000 meters using option -C094A.

Optional foot-plate (-FP) for staking or weighting.

For any location in the world that exceeds an insolation value of

2.0 kWh/m<sup>2</sup>/day or higher.

Available in split color green-red for threshold-end light application.



### SPECIAL MOUNTING APPLICATIONS

Solar Powered Lights – All Models

Point Lighting can configure special mounting arrangements for almost any situation such as:

Side-wall mounting available.

Fence post mounting as shown.

Pole or large diameter conduit mounting.



POL-21007-5B-R-34L-S-SOL-PM

POL-21007-5B-R-SOL-PM

### PSF: HELIPORT & WALKWAY LOW PROFILE FLOODLIGHT

SEE CATALOG FILE HL208PSF FOR COMPLETE PRODUCT DETAILS

#### PSF-53062-3-SOL-C094A-V FOR WIRELESS SWITCHING

This solar powered LED surface floodlight is a full brightness 4,800 candelas flood with wireless ON-OFF operation to a maximum run-time of two (2) hours per night based on 20-deg C ambient. Run-time is reduced in cold weather.

May be screwed in place. Includes visor (-V).

Optional foot-plate (-FP) for staking or weighting with sandbags or blocks.

Adjustable tilt angle.

Onboard wireless signal receiver & antenna for ON-OFF operation.

Wireless activation with handheld device PL11572-TRANS (-C-094A) or key fob included with -C094.

Note: PL11572-TRANS must be ordered separately one per site for any -C094A system.

Tested and certified to ingress protection IP66.

PSF-53062-3-SOL-C094A-V  
Solar Powered Surface Floodlight  
For Wireless Operation



#### PSF-53062-3-SOL-C086-V FOR ALL NIGHT OPERATION

This version has a low profile, larger array and battery that allows the floodlight to operate all night automatically without manual switching at any site with an insolation value of 2.5 kWh/m2/day or higher.



PSF-53062-3-SOL-C086-V  
Solar Powered Surface Floodlight  
Operates All Night Automatically



### PWC: HELIPORT & AIRPORT LIGHTED WIND CONES

SEE CATALOG FILES WC110PWC & WC122SOL FOR COMPLETE PRODUCT DETAILS

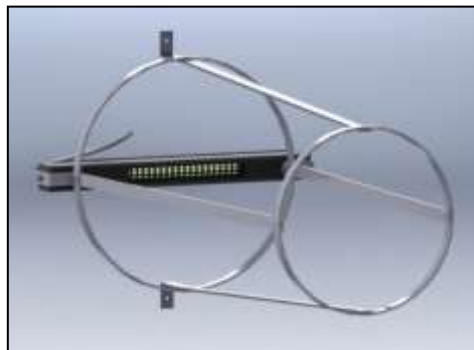
The PWC solar powered wind cone is available as the rigid 22-ft tall Type 807 deployed at ground level or as the frangible 10-ft tall Type 806 used on roofs or at ground level. The lighting and solar power components are the same on all of our solar wind cones.

PWC-8071L-3-ON-HBA-B-SOL	Internally lighted; hinged base pole; FAA Size 1 (8-ft)
PWC-8075L-3-ON-HBA-B-SOL	Internally lighted; hinged base pole; ICAO Size 5 (2.4m)
PWC-8072L-3-ON-HBA-B-SOL	Internally lighted; hinged base pole; ICAO Size 2 (12-ft)
PWC-8061L-3-ON-FF-B-SOL	Internally lighted; frangible pole; FAA Size 1 (8-ft)
PWC-8065L-3-ON-FF-B-SOL	Internally lighted; frangible pole; ICAO Size 5 (2.4m)
PWC-8064L-3-ON-FF-B-SOL	Internally lighted; frangible pole; ICAO Size 4 (1.2m)
Suitable for all night operation at any site with an insolation value of 1.7 kWh/m <sup>2</sup> /day or higher.	

#### FAA CERTIFIED WINDSOCK FEATURES

The aviation orange nylon triple sewn windsock is reinforced at key points including the end of the basket to resist wear from abrasion and it is fitted with several brass grommets to prevent water accumulation in the sock. The windsock is mounted on a rigid aluminum frame tapered basket for the first several feet to enhance visibility. The sock attaches to the basket securely by means of stainless steel twist-lock marine grade hardware.

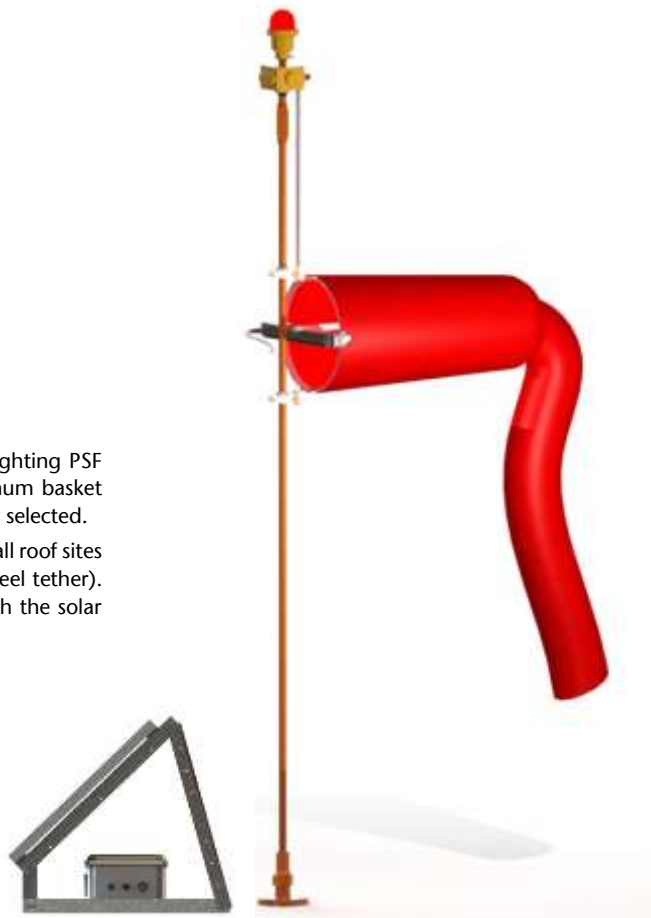
#### PWC-8061L-3-ON-FF-B-SOL LED INTERNALLY LIGHTED WIND CONE



#### FLOODLIGHT & WINDSOCK BASKET ASSEMBLY

PWC-SOL wind cones are internally lighted using the Point Lighting PSF LED floodlight and POL LED red obstruction light. The aluminum basket assembly is properly sized and tapered for the windsock length selected.

We recommend for Type 806 the Stand Mount option –SM for all roof sites as well as roof safety options -G (coupling) and -T (stainless steel tether). The solar array uses a floor mounted bracket arrangement with the solar controller and battery unit shaded beneath the array.



### PHB: HELIPORT IDENTIFICATION BEACON

SEE CATALOG FILE HL315PHBV2 FOR COMPLETE PRODUCT DETAILS

#### PHB-37002-W-3-M-SOL

The PHB LED ICAO identification beacon is specified to mark the landing site location by emitting a flashing white Morse code signal. The standard signal is a Morse code "H", but any signal can be programmed such as the site identifier or radio frequency.

The PHB POINTSPEC series LED heliport identification beacon is 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 and IP67 ingress protection.

The Morse code beacon complies with ICAO Annex 14, Volume II, paragraph 5.3.2 and Transport Canada CAR 325.33. The basic unit will flash message "H" unless the user specifies a different message to be factory programmed. The peak beam in white is 2,500 candelas.

- ETL Listed to UL 1598 & UL 1598A Marine Vessels, IP66 & IP67
- ETL Listed to CSA C22.2 No.250.0-04 Canada
- ETL Verified FAA L-864 to FAA Advisory Circular 150/5345-43H
- Registered ISO 9001:2015
- ICAO Annex 14 Heliports, Volume II, para. 5.3.2. 1 to 5
- Transport Canada CAR 325.33



#### FEATURES

- Over voltage & over current protection
- Short circuit & open circuit protection
- Metal oxide varistor surge protection
- Glass & aluminum exterior
- No external plastic parts
- Factory sealed

#### HANDHELD PROGRAMMER PL11248-MA

Required for changing the Morse code message in the field.



### HSOL: HELIPORT & HELIDECK SOLAR POWERED LIGHTING SYSTEM

SEE CATALOG FILE HL402HSOL FOR COMPLETE SYSTEM DETAILS

#### APPLICATION:

Remote sites where commercial or generator power is not practical and for unattended marine offshore helidecks. Provides reliable, year round solar generated battery power for the aviation lighting.

#### FUNCTIONAL SUMMARY:

The HSOL system will provide 24V DC power to one lighting circuit which will operate upon activation of the required PRC radio controller. We have calculated HSOL sizing based on a minimum solar insolation value of 1.2 kWh/m<sup>2</sup>/day at the site which means the system will stay operational as described all year round almost anywhere in the world.

The circuit may be switched ON by the pilot for a timed fifteen (15) minute period and this may be repeated at least four (4) such cycles per night\* with full recovery of the HSOL system. After each timeout, a new cycle may be initiated by pressing a pushbutton on the door of the control unit or via repeated radio signal from the pilot.

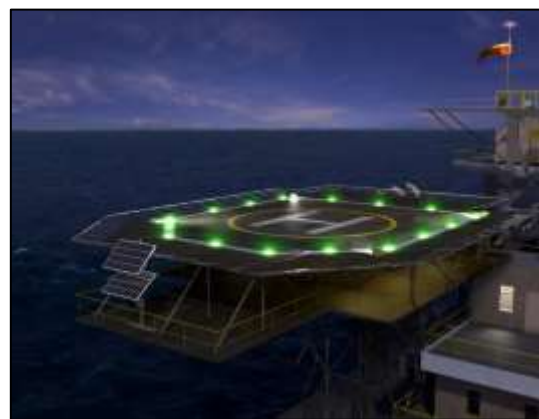
\* Do not exceed six (6) operations per night to preserve battery life.

#### NORMAL FULL INTENSITY HELIPORT LIGHTING:

The lighting fixtures are full brightness carrying all the certifications listed on the individual catalog data files. These are not competitors' lights that are low output, low quality self-contained with mini solar arrays that are too dim, often don't work and fail.

#### REQUIREMENTS:

- The heliport lighting system must all be Point Lighting Corporation products.
- The PRC radio controller and the HSOL system must be purchased and installed together.
- The site must have a solar insolation value of 1.2 kWh/m<sup>2</sup>/day or higher.



PRC-65004-DC  
Radio Controller



PRL-97004-4C-G-PLS  
with PLS mounting base



PEL-57007-5C-G-PLS



PWC-8061L-3-ON-FF-B



PSF-53062-3  
Surface floodlight