



# POINT OBSTRUCTION LIGHTS POL LED v6 POINTSPEC® SERIES

Compliances: ETL Verified & FAA Approved L-810 to FAA AC 150/5345-43J  
 Intertek Tested to -55 deg C to +55 deg C  
 FAA Engineering Briefs 67D & 98  
 Registered ISO 9001: 2015

The POL LED red low intensity obstruction lights are for use on aviation obstructions.

- The casting is copper-free (< 0.25%) aluminum.
- Red & IR LEDs monitored for failure.
- The hardware is 316 (A4) stainless steel.
- Only 4.0 watts per head.
- Standard with the exclusive yellow Point Lighting Marine Treatment finish that is bonded to the metal and far exceeds the corrosion resistance of the standard FAA approved finish.
- Six (6) years limited warranty subject to Point Lighting "Terms & Conditions of Sale".
- The lens is glass.
- Alarm line is standard.
- The LED's are rated for 100,000 hours.
- NVG Compatibility is standard.

Point Type	Power	Color	Mounting	Style
POL-21006	1F: 96-305v 3F: 10.8-32v DC	R: Red	34B: ¾-inch, Bottom 10B: 1-inch, Bottom	S2: Single w/alarm line S2.3: Single w/alarm line & junction box D2: Double w/transfer to standby & alarm D2.2: Double w/both heads ON & alarm D3: Double w/transfer, alarm & pilot light  Option -P: FAA Photoelectric Control Adds a prewired FAA PEC to -S2.3 or double Option -PM: Post Mount Option -SF: Slipfitter 2.375-in stainless steel Option -UPS: Battery backup; see page 2. Option -SOL: Solar Powered

  

Power Consumption per Head:			
Voltage	Amps	VA	Watts
120	0.057	6.84	4.05
277	0.033	9.08	4.03
12	0.267		3.2
24	0.142		3.4



### UNINTERRUPTIBLE POWER SUPPLY OPTION -UPS PL11609-1 UPS UNIT

Note: Add option -UPS for a one POL or purchase PL11609-1 to power multiple POL obstruction lights and/or PFB-37003 flashing red beacons.

Required: For one POL, add option -P. For multiple lights, add one PPC-40700-1-34T on the output (load side) of PL11609-1 UPS unit.

See chart below for estimated run-times.

Note: Intended for emergency use only; do not use for regularly scheduled shutdowns of power such as nights and weekends.

For use with a POC system controller, the POC must be 120V and the PL11609-1 must be installed on the power feed to the POC (i.e. upstream of the POC & PPC).

#### Features & Functions:

- Automatic operation upon loss of power & upon restoration of power.
- Automatic battery charging.
- AC power Input: 96-264V AC
- Temperature range: -20-deg C (-4-deg F) to +55-deg C (131-deg F)
- The UPS sends 120V AC to the load. Use universal AC or 120V lights.
- Battery low voltage disconnect to protect the battery.
- The output to the load has a true pure sine wave.
- NEMA 4X (IP66) fiberglass enclosure.
- Includes 2 x ¾-inch NPT hubs and 1 x ¾-inch cable gland.

RUN-TIME IN NUMBER OF NIGHTS (12 HOURS)

	0 POL	1 POL	2 POL	3 POL	4 POL	5 POL	6 POL
0 PFB		9.4	5.4	3.8	2.9	2.3	1.9
1 PFB	5.8	3.9	2.9	2.3	1.9	1.6	1.4
2 PFB	3.0	2.4	1.9	1.6	1.4	1.2	1.1
3 PFB	2.0	1.7	1.4	1.3	1.1	1.0	0.9
4 PFB	1.5	1.3	1.2	1.0	0.9	0.9	0.8

#### Notes on run-times and battery capacity:

- FAA photocontrol is required as either -P for one light or use PPC-40700-1-34T.
- Based on POL-21006-1F series. For POL-21005-1B, count each POL as a PFB-37003.
- Run-times are based on a 77-deg F (25-deg C) ambient temperature.
- Battery capacity will be between 65-85% at 0-deg C (32-deg F)
- Battery capacity will be between 25-45% at -20-deg C (-4-deg F)
- "POL" means POL-21006-1F-R number of operating heads.
- "PFB" means PFB-37003-R-1 flashing red beacon.



# POINT LIGHTING

## POINT OBSTRUCTION LIGHTS POL LED v6 POINTSPEC® SERIES

POL-21006-1F-R-34F-S2.3  
SINGLE OBSTRUCTION LIGHT  
WITH SIDE-WALL MOUNT JUNCTION BOX



POL-21006-1F-R-34B-D2.2-P  
DOUBLE OBSTRUCTION LIGHT  
WITH PREWIRED FAA  
PHOTOELECTRIC CONTROL



FAA PHOTOELECTRIC CONTROLLER  
PPC-40700-1-34T  
SEE FILE OL410



POL-21006-1F-R-34B-S2-SF  
SINGLE OBSTRUCTION LIGHT  
WITH 60MM SLIPFITTER  
FITS 2-3/8-INCH TENON



POL-21006-1F-R-34B-S2.3-P  
SINGLE OBSTRUCTION LIGHT  
WITH JUNCTION BOX & PREWIRED  
FAA PHOTOELECTRIC CONTROL



### WEIGHT, DIMENSIONS & SHIPPING DATA

inches (mm)					Multi-Pack Carton		
	Weight	Height	Width	Depth	Qty	Weight	Dim (inches)
POINTSPEC Single:	3.5 lbs 1.6 kg	8.6 (217)	6.0 (152)	5.0 (127)	12	47 lbs 21.3 kg	22 x 15 x 17
POINTSPEC Double:	11.8 lbs 5.4 kg	13.3 (337)	14.9 (378)	5.0 (127)	2	27 lbs 12.3 kg	19 x 19 x 19
Wind Loading:	Effective Projected Area (EPA) for POINTSPEC Lights						
	Double: 0.69 sq ft		Single (no box): 0.19 sq ft		Single (with box): 0.37 sq ft		

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