



POINT OBSTRUCTION LIGHTS

POL LED v7 – TRANSPORT CANADA

POINTSPEC® SERIES

Compliances: Verified to CL810 Transport Canada CAR 621, Table 13-2
 Listed to UL 1598 at -40 deg C to +55 deg
 UL Tested & Certified to IP66 & IP67 Ingress Protection
 Registered ISO 9001: 2015

- Red & IR LED onboard failure monitoring.
- Alarm monitoring available.
- The hardware is 316 (A4) stainless steel.
- The LED's are rated for 100,000 hours.
- Solar powered available.
- NVG compatibility is standard.
- The casting & lens are specially engineered forms of polycarbonate materials.
- Suitable for outdoor use with respect to exposure to ultraviolet light, water exposure & immersion in accordance with UL 746C (f1).
- Six (6) years limited warranty subject to Point Lighting "Terms & Conditions of Sale".

Point Type	— Power	Standard	— Color	— Mounting	— Style
POL-21007	1: 120v AC 2: 220-240v 3: 12v DC 4: 24v DC 5: 48v DC 6: 277v	T: Transport Canada CL810	R: Red	34B: ¾-inch, Bottom 34L: ¾-inch, Unilet 10B: 1-inch, Bottom M20B: Metric M20 M25B: Metric M25	S: Single; no alarm S3: Single & junction box S2.3: Single w/alarm line & junction box D: Double w/both heads ON; no alarm D2: Double w/transfer to standby & alarm D2.2: Double w/both heads ON & alarm D3: Double w/transfer, alarm & pilot light

Power Consumption per Head:

Voltage	mA	VA	Watts
120	63	7.6	6.9
220	34	7.4	6.9
277	28	7.9	6.9
12	470		4.3
24	230		4.3
48	104		5.0



- Option -P: FAA Photoelectric Control
Adds a prewired FAA PEC
- Option -BKTU: Universal bracket kit for POL
- Option -SF: Slipfitter 2.375-in stainless steel
- Option -UPS: Battery backup; see page 2
- Option -SOL: Solar Powered
- Option -PM: Solar array post mount max 3.0-in OD

POL-21007-xT-R-34B-S3
SINGLE OBSTRUCTION LIGHT
WITH JUNCTION BOX



POL-21007-xT-R-34B-S
SINGLE OBSTRUCTION LIGHT



POL-21007-xT-R-34B-D
DOUBLE OBSTRUCTION LIGHT



UNINTERRUPTIBLE POWER SUPPLY OPTION -UPS PL11609-1 UPS UNIT

POINT LIGHTING CORPORATION IS AN INTERTEK ETL CERTIFIED BUILDER OF INDUSTRIAL CONTROL PANELS UNDER UL 508A 2ND AND CSA C22.2 No. 286. PLC PANELS ARE LABELED WITH THE ETL LISTED MARK.

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. It may also be used for a standalone PFB-37004 white or dual red-white beacon.

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.



CHART 1: RUN-TIME IN NUMBER OF NIGHTS (12 HOURS)										
	0 POL	1 POL	2 POL	3 POL	4 POL	5 POL	6 POL	7 POL	8 POL	9 POL
0 PFB	x	9.4	5.4	3.8	2.9	2.3	1.9	1.6	1.4	1.2
1 PFB	5.8	3.9	2.9	2.3	1.9	1.6	1.4	1.3	1.1	1.0
2 PFB	3.0	2.4	1.9	1.6	1.4	1.2	1.1	1.0	0.9	0.8
3 PFB	2.0	1.7	1.4	1.3	1.1	1.0	0.9	0.8	0.8	0.7
4 PFB	1.5	1.3	1.2	1.0	0.9	0.9	0.8	0.7	0.7	0.6

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-21007-1F 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-21007-1F-R number of operating heads.
- “PFB” means PFB-37003-R-1 flashing red beacon.

SOLAR POWERED POL-21007 OBSTRUCTION LIGHTS

Choose one of the catalog numbers below to receive the mounting arrangement displayed in the graphic.

The POL-21007 is the proper selection for FAA L-810 certification as verified by Intertek Testing Service.

The light will operate at night automatically year round anywhere the solar irradiance is greater than 1.3 kWh/m²/day with 5.3 days autonomy (>1.5 for -D or -D2.2 with 4.2 days autonomy).

Important - All POL-SOL systems by definition include:

- POL-21007 fixture
- Option -BKTU wall-post bracket** for the POL
- Option -CF cable fitting
- 3-meters SOW cable loop to the solar controller
- Solar array & solar controller with battery
- Floor-roof brackets* for the solar array

* Addition of option -PM changes to post brackets for the array & includes BKTU setup.

** See page 5 for the POL bracket details.



POL-21007-3T-R-34B-D2-SOL-PM
POL-21007-3T-R-34B-D-SOL-PM



POL-21007-3T-R-34B-D2-SOL
POL-21007-3T-R-34B-D-SOL



POL-21007-3T-R-34B-S3-SOL



POL-21007-3T-R-34B-S3-SOL-PM

POINT LIGHTING

POINT OBSTRUCTION LIGHTS POL LED v7 POINTSPEC® SERIES

POL-21007-xT-R-34F-S2.3
SINGLE OBSTRUCTION LIGHT
WITH SIDE-WALL MOUNT JUNCTION BOX



POL-21007-xT-R-34B-D-P
DOUBLE OBSTRUCTION LIGHT
WITH PREWIRED FAA
PHOTOELECTRIC CONTROL



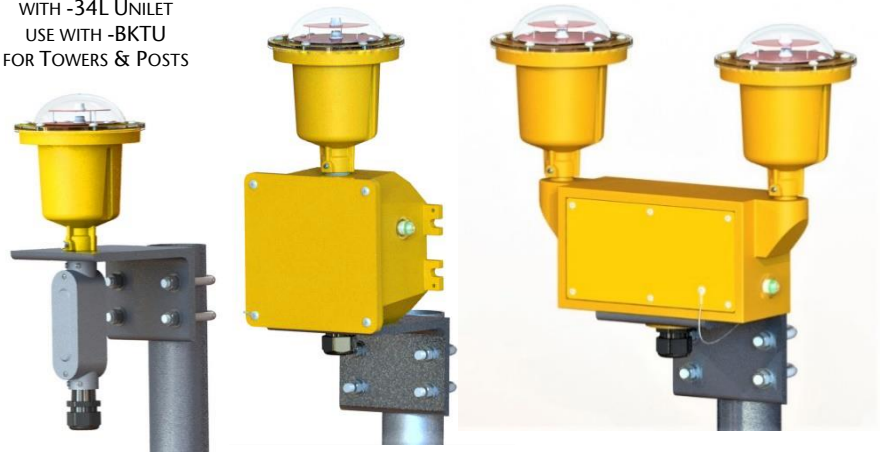
POL-21007-xT-R-34B-S3-P
SINGLE OBSTRUCTION LIGHT
WITH JUNCTION BOX & PREWIRED
FAA PHOTOELECTRIC CONTROL



POL-21007-1x-R-34B-S-SF
SINGLE OBSTRUCTION LIGHT
WITH 60MM SLIPFITTER
FITS 2-3/8-INCH TENON



POL-21007 SINGLE
WITH -34L UNILET
USE WITH -BKTU
FOR TOWERS & POSTS



POL-21007 SINGLE & DOUBLE WITH OPTION -BKTU
MAY BE WALL-MOUNTED OR POST-MOUNTED. THE POST MAY BE CONDUIT
OR PIPE TO A MAXIMUM OUTSIDE DIAMETER OF 3-INCHES (76MM).
THIS BRACKET IS INCLUDED IN ALL SOLAR POWER VERSIONS (-SOL)

FAA PHOTOELECTRIC CONTROLLER
FOR A CIRCUIT OF POL'S
PPC-40700-1-34T SEE FILE OL410



WEIGHT & DIMENSIONS

	Weight		Height		Width		Depth	
	lb	kg	in	mm	in	mm	in	mm
POINTSPEC Single:	1.0	0.45	6.6	(169)	5.5	(140)	5.5	(140)
POINTSPEC Double:	6.2	2.8	12.2	(309)	15.8	(401)	5.5	(140)
Wind Loading:	Effective Projected Area (EPA) for POINTSPEC Lights							
	Double: 0.63 sq ft		Single (no box): 0.15 sq ft		Single (with box): 0.42 sq ft			



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