

BATTERY BACKUP SYSTEM BBS3 FOR PFB LED RED OBSTRUCTION BEACONS

Compliances: ETL Listed Lights to UL 1598A Marine Vessels at -40 deg C to +55 deg C
 ETL Listed Lights to CSA C22.2 No. 137-M1981 & No. 250.0-08 Canada
 ETL Verified Lights to FAA AC 150/5345-43G at -55 deg C to +55 deg C
 Registered ISO 9001: 2015
 Compliance to ICAO Annex 14 Medium & Low Intensity Obstacle Lights

The POL POINTSPEC series of red LED aviation obstruction lights are used to mark tall structures that present hazards to air navigation. At night, these lights warn pilots when installed in accordance with FAA AC 70/7460-1 and applicable FCC and ICAO rules. The PPC photoelectric controller provides automatic activation at dusk in accordance with FAA specifications.

Accepts AC power as noted below. Upon failure of the AC power, the BBS switches to battery power unattended. Automatic battery charging under normal AC power. The lights selected must be 24 VDC and an FAA Photoelectric Controller type PPC-40003-34T must be ordered.

System *	PFB Red Beacons 24V DC	POL Red Lights 24V DC	Estimated Run Time
x: 1 = 120V 2 = 220-240V			
BBS-60540-x-(serial number)	1	1 to 3	3 nights
BBS-60541-x-(serial number)	1	---	1 night
BBS-60542-x-(serial number)	2	---	1 night
BBS-60543-x-(serial number)	1	1 to 3	3 hours

Includes alarm light, push-to-test switch, PPC override switch & NEMA 4 steel enclosure.

* Note: This is the BBS unit only. You must add the 24V DC lights and PPC as separate line items.

The commercial AC power enters the BBS unit which then distributes DC power to the lights at all times. Under normal AC power, the BBS does not draw on the battery and the battery remains ready at 100% capacity. There is a push-to-test switch on the BBS door. For PFB data, see file OL213PFBv2.

Minimum Wire Size Chart

Circuit Run Length	Number of PFB Red Beacons	
	One (1)	Two (2)
50-ft	#14 AWG	#12 AWG
75-ft	#12 AWG	#10 AWG
100-ft	#10 AWG	#8 AWG
200-ft	#8 AWG	#6 AWG

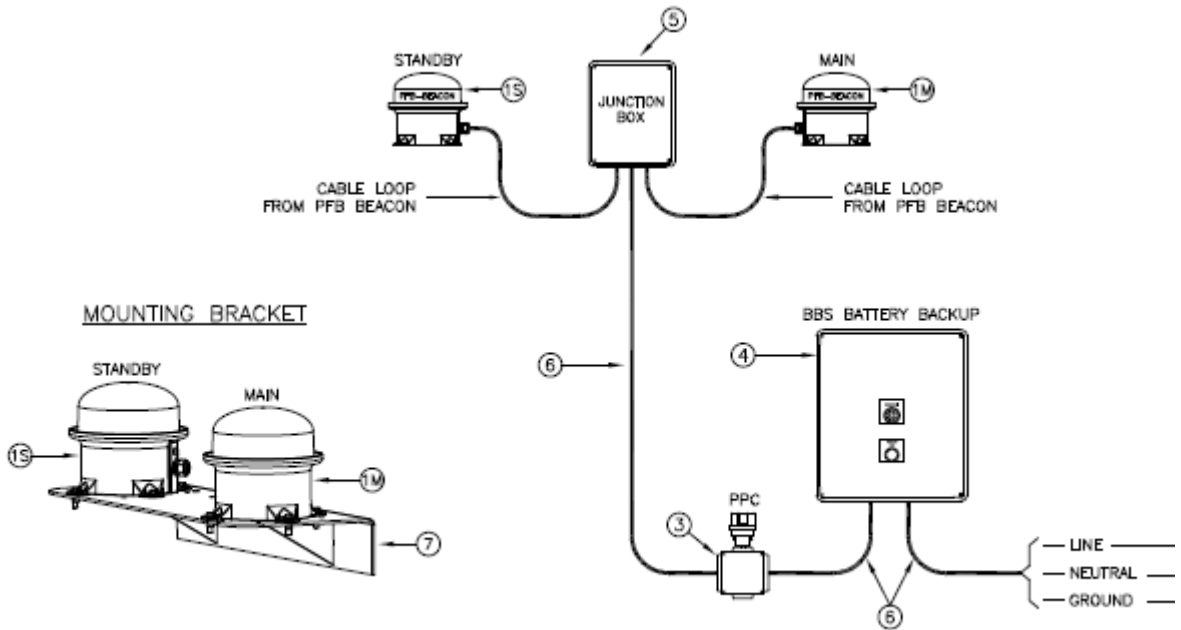
PFB-37002-R-3-F4
 Add one PPC-40003-34T photoelectric control



BATTERY BACKUP SYSTEM BBS3

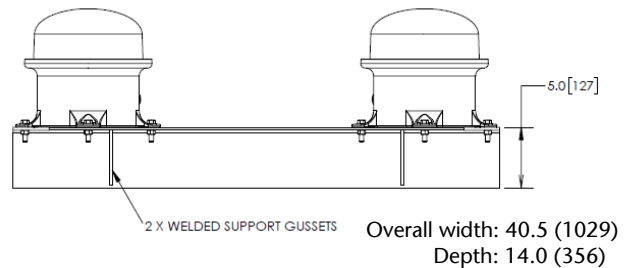
FOR PFB LED RED OBSTRUCTION BEACONS

STANDBY FLASHING RED BEACON ARRANGEMENT
WITH BBS BATTERY BACKUP SYSTEM
PRIMARY BEACON OPERATING WITH AUTOMATIC TRANSFER
TO STANDBY BEACON UPON FAILURE



Symbol	Catalog Number
1M	PFB-37002-R-3-xx
1S	PFB-37002-R-3-xx-SB
3	PPC-40003-34F
4	BBS (select model for backup hours required).
5	PL11220-SB
7	PL11218 steel weld type shown Other brackets available

PL11218 Steel Weld Bracket
Includes Stainless Steel Hardware
Other brackets available



POINT LIGHTING CORPORATION

Mail: P.O. Box 686, Simsbury, CT 06070
Tel 01 860.243.0600
email: Info@PointLighting.com

Plant: 61-65 W. Dudley Town Rd, Bloomfield, CT
USA Fax 01 860.243.0665
website: www.PointLighting.com