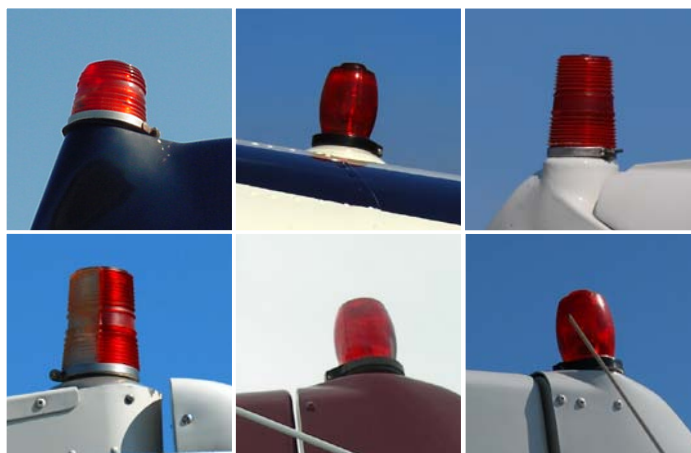


LED BEACON REPLACEMENT GUIDE



Think about your application needs...



Whether your mounting configuration is 2.6" or 3.75", you can make the switch from halogen or strobe to LED!



Model A470AS →

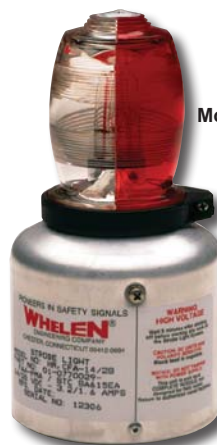
90520 Series



Model A470AR →



71080 Series



Model HRCFA () →

90520 Series



71080 Series

71080 Series LED Beacon (Red LEDs)

71080 Series beacons are FAA TSO compliant self-contained LED Anti-collision lights (ref. class 1 - 150 effective candle power). They are designed to replace a range of products. Refer to models and descriptions below. Models -01, -05, -15, -51, -55: ship with 12" flying leads. Models -05, -15 opening designed to fit inside an A440 mounting adapter, mounting holes to fit in place of rotating beacons, Whelen Model HRCFA, or 7090004, -05 series LED beacons.

Models	Part #	Description	Approvals
7108001	01-0771080-01	LED Red, 28 VDC, 2.6" mount	FAA TSO-C96a Class I
7108051	01-0771080-51	LED Red, 14 VDC, 2.6" mount	FAA TSO-C96a Class I
7108005	01-0771080-05	LED Red, 28 VDC, 3.75" adapter	FAA TSO-C96a Class I
7108055	01-0771080-55	LED Red, 14 VDC, 3.75" adapter, Flying Leads	FAA TSO-C96a Class I
7108015	01-0771080-15	LED Red, 28 VDC, 3.75" adapter, lower mount	FAA TSO-C96a Class I

Drawing #	Weight	Dimensions H x Dia.	Current Draw	Available LED Color	Lenses
71080	0.65 lbs (295gm) (-01 & -51)	Exposed height, 3.74" (95mm) (-01 & 51) x 2.6" (66mm)	0.87 amps average, 3.0 amps peak 150 eff. Cd 14 VDC & 28 VDC	Aviation Red	Clear polycarbonate

90520 Series LED Flashing Beacon (Red & White LEDs)

90520 Series Beacons are FAA TSO compliant self-contained LED Anti-Collision lights (Ref. Class III -100 effective candlepower). They are designed to replace strobe lightheades as small as the A470A with available models to replace HR self-contained beacons (HRCFA) or our legacy 70900 LED beacon. Mounting plate included with assembly. See models below. Models -01, -05, -15, -51, -55: Ship with 12" flying leads. -55: 3-3/4" opening designed to fit inside an A440 mounting adapter, mounting designed to replace existing beacons utilizing a 5-Hole mounting pattern on 4.656 dia. bolt circle (Whelen 70285 Series/7090501 Series or 70900 with A440 adapter). Models -05, -15, 3-3/4" opening designed to fit inside an A440 mounting adapter, mounting holes to fit in place of rotating beacons, Whelen Model HRCFA, or 7090004, -05 Series LED beacons.

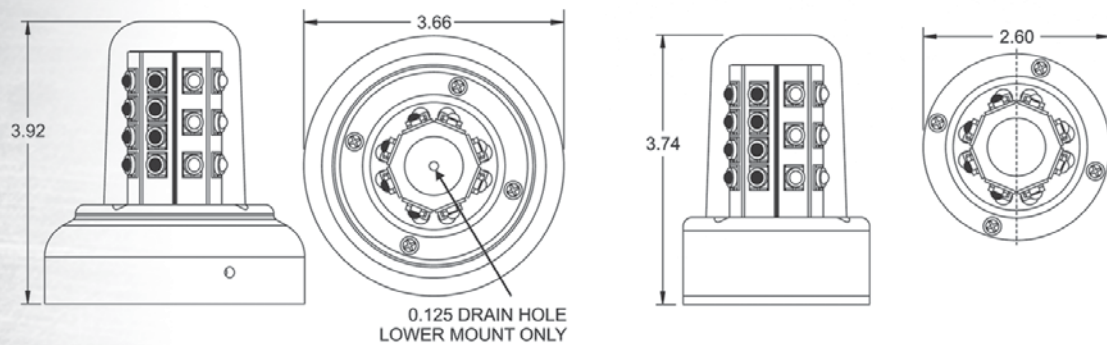
Models	Part #	Description	Approvals
9052001	01-0790520-01	LED Red/White, 28 VDC, 2.6" mount	FAA TSO-C96a Class III
9052051	01-0790520-51	LED Red/White, 14 VDC, 2.6" mount	FAA TSO-C96a Class III
9052005	01-0790520-05	LED Red/White, 28 VDC, 3.75" adapter	FAA TSO-C96a Class III
9052015	01-0790520-15	LED Red/White, 28 VDC, 3.75" adapter, lower mount	FAA TSO-C96a Class III
9052055	01-0790520-55	LED Red/White, 4VDC, 3.75" adapt, flying leads	FAA TSO-C96a Class III

Drawing #	Weight	Dimensions H x Dia.	Current Draw	Available LED Color	Lenses
90520	0.65 lbs. (295gm) (-01 & -51)	Exposed height, 3.74" (95mm) (-01 & 51) x 2.6" (66mm)	0.67 amps average, 3.0 amps peak	Aviation Red/White	Clear polycarbonate

Dimensions and Mounting Footprint

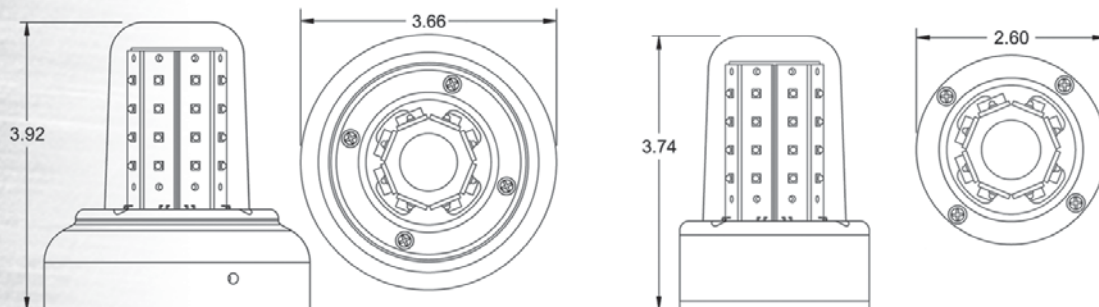
90520 Series LED Flashing Beacon (Red & White LEDs)

Part #	Description
01-0790520-01	LED Red/White, 28 VDC, 2.6" mount
01-0790520-51	LED Red/White, 14 VDC, 2.6" mount
01-0790520-05	LED Red/White, 28 VDC, 3.75" adapter
01-0790520-15	LED Red/White, 28 VDC, 3.75" adapter, lower mount
01-0790520-55	LED Red/White, 4VDC, 3.75"adapt, flying leads



71080 Series LED Beacon (Red LEDs)

Part #	Description
01-0771080-01	LED Red, 28 VDC, 2.6" mount
01-0771080-51	LED Red, 14 VDC, 2.6" mount
01-0771080-05	LED Red, 28 VDC, 3.75" adapter
01-0771080-55	LED Red, 14 VDC, 3.75" adapter, Flying Leads
01-0771080-15	LED Red, 28 VDC, 3.75" adapter, lower mount





90088 Series Anti-Collision Light

90088 Series is a Self-Contained LED Anti-Collision Beacon. It's solid-state circuitry and LED light source obsolete the "old style" mechanical oscillating beacons as well as the Whelen 90044 Series quartz halogen flashing beacons. Benefits include no moving parts, no EMI/RFI, no inrush current spikes and crisp on/off cycles. There are several models available to provide compatibility with existing mounting patterns and profiles, thus eliminating the need to alter the aircraft.

Models	Part #	Description	Approvals
9008811	01-0790088-11	Lower, 5-Hole, standard assembly, cable pigtail, 28 VDC	FAA TSO-C96a Class I
9008812	01-0790088-12	Upper, 5-Hole, standard assembly, cable pigtail, 28 VDC	FAA TSO-C96a Class III
9008813	01-0790088-13	Upper, 5-Hole, 2.25 lbs. rudder mount (Citations), 28 VDC	FAA TSO-C96a Class III
9008814	01-0790088-14	Upper, 5-Hole, 2.25 lbs. cable pigtail (Beech Barons), 28 VDC	FAA TSO-C96a Class III
9008815	01-0790088-15	Lower, 5-Hole, (MS27508E10A-5P connector), 28 VDC	FAA TSO-C96a Class III
9008816	01-0790088-16	Upper, 5-Hole, (MS27508E10A-5P connector), 28 VDC	FAA TSO-C96a Class III
9008817	01-0790088-17	Lower, 5-Hole, 2 drain holes (Hawker 800), 28 VDC	FAA TSO-C96a Class III
9008818	01-0790088-18	Upper, 8-Hole, 1.9 lbs., cable pigtail, 28 VDC	FAA TSO-C96a Class III
9008819	01-0790088-19	Lower, 8-Hole, 1.9 lbs., cable pigtail, 28 VDC	FAA TSO-C96a Class III

Replaces: Whelen: 90044 Series & Grimes: G9950-(), 40-0100-(), 30-2140-(), 40-0117-(), 40-0127-(), 302647-()

Drawing #	Weight	Dimensions H x Dia.	Current Draw	Available LED Color	Lenses
90088	1.8 lbs. (816gm)	11 thru -16: 2.70" (68.5mm) x 2.38" (60.45mm) x 9.87" (250.69mm) -18 & -19: 2.84" (72.13mm) x 3.87" (98.92mm) x 11.43" (290.32mm)	0.45 amps @ 28 VDC	Aviation Red	Clear glass

Cross Reference 90044 to 90088

90088 Part #	Description	90044 Part #
01-0790088-03	Ground recognition for Citation X (lower 5-Hole mount) Cessna exclusive part	01-0790044-39
01-0790088-04	Ground recognition for Citation X (upper 5-Hole mount) Cessna exclusive part	01-0790044-37
01-0790088-06	Ground recognition for Sovereign upper 5-Hole mount) Cessna exclusive part	-
01-0790088-11	Anti-collision light (lower 5-Hole mount) cable pigtail	01-0790044-03
01-0790088-12	Anti-collision light (upper 5-Hole mount) cable pigtail	01-0790044-01
01-0790088-13	Anti-collision light (Citation 5-Hole rudder mount, 2.25 lbs.) with connector	01-0790044-33
01-0790088-14	Anti-collision light (5-Hole rudder mount, Barons, 2.25 lbs.) cable pigtail	01-0790044-57
01-0790088-15	Anti-collision light (lower 5-Hole mount) with MS27508E10A-5P connector	01-0790044-39
01-0790088-16	Anti-collision light (upper 5-Hole mount) with MS27508E10A-5P connector	01-0790044-37
01-0790088-17	Anti-collision light (lower 5-Hole mount) cable pigtail, 2 lens drain holes (Hawkers)	01-0790044-54
01-0790088-18	Anti-collision light (upper 8-Hole mount) cable pigtail	01-0790044-17
01-0790088-19	Anti-collision light (lower 8-Hole mount) cable pigtail	01-0790044-19

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