

# STROBE to LED REPLACEMENT

**If you own the A470AR or A470AS -**

**Red and Red/White Self-Contained and Remote Xenon Strobe lighthoods can be replaced with the latest LED Anti-Collision lights in the market...**

*Time tested for performance, reliability and long life on police vehicles, fire trucks and ambulances around the world, LED lighting is the ideal technological advance for aviation applications.*

*LEDs are solid-state and have no glass filament to break so they are shock and vibration resistant, consume less energy and last far longer than outdated lighting choices. Because of their low current consumption, wire size is reduced as well which means easier installation, less weight and lower operating costs. Yet in spite of all these installation and operating advantages, nothing is lost in dazzling performance on your aircraft.*

*If you are using the radio shielded strobe, the LED assembly is the "Noise Free" replacement for the product.*

## FEATURES

- LED now rivals light output of strobe, quartz and HID technology.
- EMI and RFI free.
- No glass filament to break so they are shock and vibration resistant.
- Long life LEDs have shown conservative lab life results greater than 100,000 hours of continuous operation.
- Greatly reduced power consumption over outdated alternative light sources.
- Machined aluminum assembly and shatter-resistant polycarbonate lenses.

Model A470AS strobe



2.65"  
(67mm)

Model A470AR strobe



2.65"  
(67mm)

**LEDs**  
LEDs have direct DC voltage hook-up, without any need for a power supply!

mounting position fits



Model 90520 LED  
Fixed wing Class III

or



Model 71080 LED  
All Red Helicopter Class I and Fixed Wing Aircraft Class III

2.6"  
(66mm)

Strobe Model HR, CFA (with integrated "self-contained" strobe power supply)



3.7"  
(94mm)

mounting position fits



Model 90520



Ring usually installed inward

or



Model 71080 (All Red Helicopter and others)

3.74"  
(95mm)

**WHELEN**<sup>®</sup>  
ENGINEERING COMPANY, INC.

**AVIATION DIVISION**  
51 Winthrop Road, Chester, CT 06412-0684  
860-526-9504 • Fax 860-526-2009  
www.whelen.com

## MODEL 90520 SERIES LED FLASHING BEACON (Red & White LED's)

90520 series LED beacons are FAA TSO compliant self-contained LED anti-collision lights (Ref. Class III - 100 effective candlepower). They are designed to replace strobe lighthoods 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. Refer to models & descriptions below.

### ELECTRICAL:

**Models:** -01, -04, -05, -14, -15, -51, -55: Ship with 12" Flying Leads

**Models:** -07, -17, -08, -18: MS3102R10SL-3P Connector

### MECHANICAL:

**Models:** -04, -14, -08, -18, -55 are designed to replace existing beacons utilizing a 5-hole mounting pattern on 4.656 diameter bolt circle (Whelen 70285 series / 7090501 series or 70900 with A440 adapter).

**Models:** -05, -15, -07, -17 are 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

**SPECIFICATIONS:** • **Current:** 0.67 amps Average, 3.0 amps Peak • **Weight:** 0.65 lbs. (295gm) (-01 & -51)

• **Lens:** Clear polycarbonate • **Dimensions:** 2.6" (66mm) Diameter, Exposed Height, 3.74" (95mm) (-01 & 51)

Model	Part Number	Description	Approvals
9052001	01-0790520-01	LED red/white, 28 VDC & mount	FAA TSO-C96a Class III
9052051	01-0790520-51	LED red/white, 14 VDC & mount	
9052004	01-0790520-04	LED red/white, 28 VDC & 5-hole mount	
9052014	01-0790520-14	Same as -04, lower mount	
9052005	01-0790520-05	LED red/white, 28 VDC, 3.75" adapter	
9052015	01-0790520-15	Same as -05, lower mount	
9052007	01-0790520-07	LED red/white, 28 VDC, 3.75" adapter	
9052017	01-0790520-17	Same as -07, lower mount	
9052008	01-0790520-08	LED red/white, 28 VDC & 5-hole mount	
9052018	01-0790520-18	Same as -08, lower mount	
9052055	01-0790520-55	LED red/white beacon, 14 VDC, 3.75" adapter	



9052001, -51



9052005, -15, -55

## MODEL 71080 SERIES LED BEACON FOR ROTORCRAFT,

(150 eff. Cd) (14 VDC & 28 VDC)

71080 series LED beacons are FAA TSO compliant self-contained LED anti-collision lights (Ref. Class I - 150 effective candlepower). They are designed to replace a range of products. Refer to models and descriptions below.

### ELECTRICAL:

**Models:** -01, -04, -05, -14, -15, -20, -51, -55: Ship with 12" Flying Leads

**Models:** -07, -17, -08, -18: MS3102R10SL-3P Connector

### MECHANICAL:

**Models:** -04, -14, -08, -18 are designed to replace existing beacons utilizing a 5-Hole mounting pattern on a 4.656 diameter bolt circle (Whelen 70285 series/7090501 series or 70900 with A440 adapter).

**Models:** -05, -15, -07, -17 are 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

**SPECIFICATIONS:** • **Current:** 0.87 amps average, 3.0 amps peak • **Weight:** 0.65 lbs. (295gm) (-01 & -51)

• **Lens:** Clear polycarbonate • **Dimensions:** 2.6" (66mm) diameter, exposed height, 3.74" (95mm) (-01 & 51)

Model	Part Number	Description	Approvals
7108001	01-0771080-01	LED red, 28 VDC & mount	FAA TSO-C96a Class I (150 ecp)
7108051	01-0771080-51	LED red, 14 VDC & mount	
7108004	01-0771080-04	LED red, 28 VDC & 5-hole mount	
7108014	01-0771080-14	Same as -04, lower mount	
7108005	01-0771080-05	LED red, 28 VDC, 3.75" adapter	
7108015	01-0771080-15	Same as -05, lower mount	
7108007	01-0771080-07	LED red, 28 VDC, 3.75" adapter	
7108017	01-0771080-17	Same as -07, lower mount	
7108008	01-0771080-08	LED red, 28 VDC & 5-hole mount	
7108018	01-0771080-18	Same as -08, lower mount	

71080 Series  
has Red LED's  
with Clear Lens



7108001, -51



7108005, -15



7108008, -18