

REV	ECN	DESCRIPTION	DATE
A	35070	PO-160 REQ:UNIT WDH:9/19/07	

NOTES:

1. SPECIFICATIONS:
POSITION LIGHT(S) POWER: 0.25 AMPS @ 14 VDC
WEIGHT: 0.5lbs NOMINAL

FORWARD POSITION LIGHT:
LED COLOR: (RED OR GREEN)
LENS: CLEAR POLYCARBONATE, HARDCOATED
STROBE LIGHT:
XENON FLASHTUBE
LENS: CLEAR HEAT RESISTANT GLASS, RF COATED
PER MIL-C-7989B CLASS B

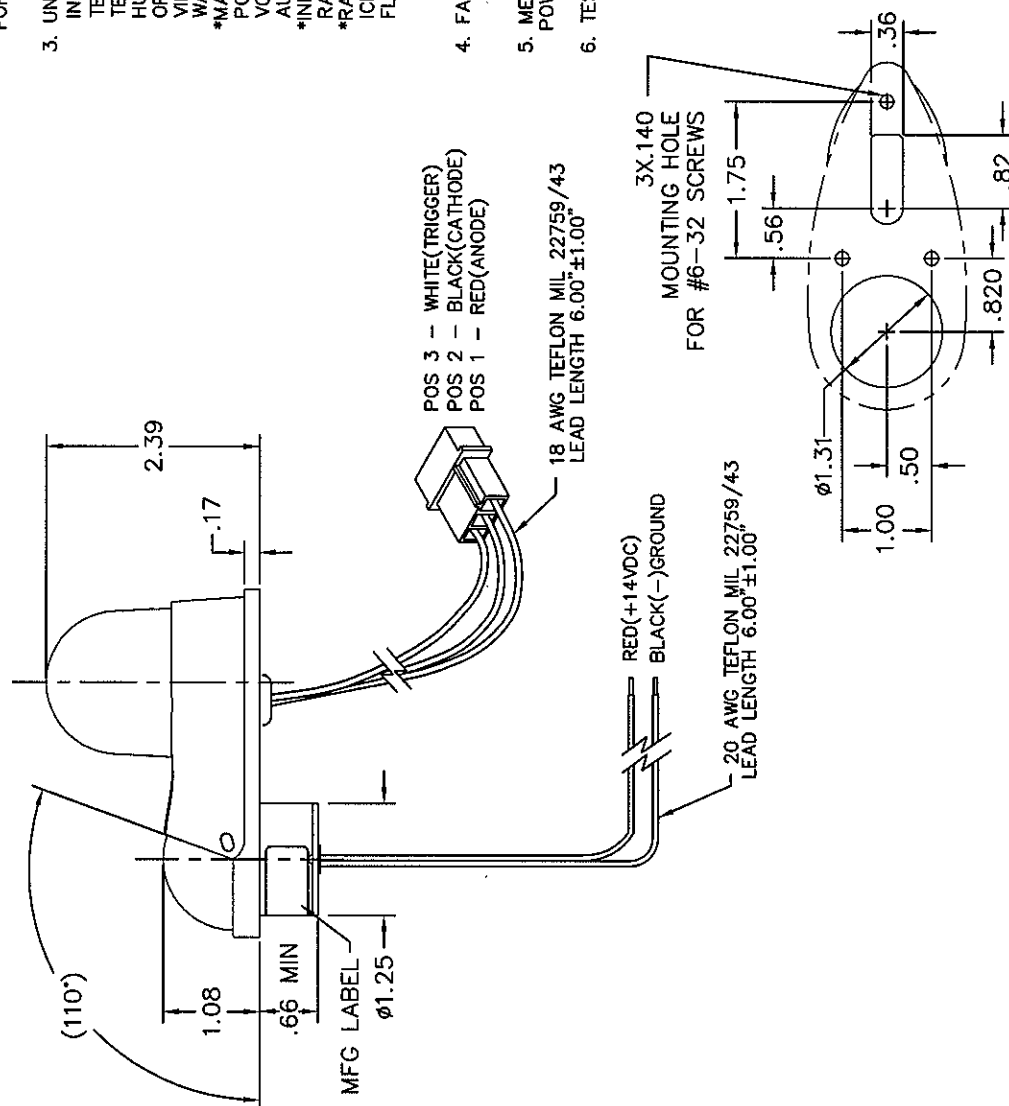
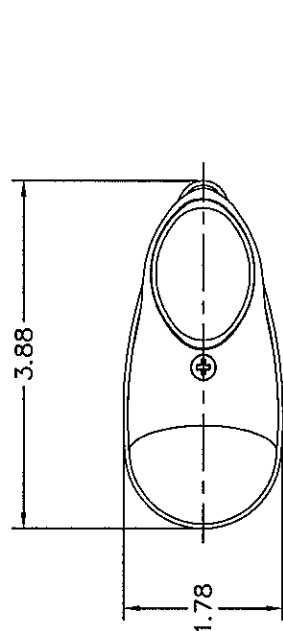
2. UNIT COMPLIES WITH COLOR REQUIREMENTS OF FAR PART 25.1397(g) FOR AVIATION RED, PART 25.1397(b) FOR AVIATION GREEN AND PART 25.1397(c) FOR AVIATION WHITE.

3. UNIT COMPLIES WITH THE FOLLOWING ENVIRONMENTAL TEST REQUIREMENTS IN ACCORDANCE WITH RTCA/DO-160 E:
TEMPERATURE/ALTITUDE: SECT. 4, CATEGORY F2
TEMPERATURE VARIATION: SECT. 5, CATEGORY S2
HUMIDITY: SECT. 6, CATEGORY C
OPERATIONAL SHOCK/CRASH SAFETY: SECT. 7, CATEGORY A
VIBRATION: SECT. 8, CATEGORY S, CURVE T
WATERPROOFNESS: SECT. 10, CATEGORY S
*MAGNETIC EFFECTS: SECT. 15, CATEGORY Z
POWER INPUT: SECT. 16, CATEGORY Z
VOLTAGE SPIKE: SECT. 17, CATEGORY A
AUDIO FREQUENCY SUSCEPT.: SECT. 18, CATEGORY Z
*INDUCED SIGNAL SUSCEPT.: SECT. 19, CATEGORY Z
RADIO FREQUENCY SUSCEPT.: SECT. 20, CATEGORY R
*RADIO FREQUENCY EMISSIONS: SECT. 21, CATEGORY H
ICING: SECT. 24, CATEGORY A
FLAMMABILITY: SECT. 26, CATEGORY C
*=-POSITION LIGHTS

4. FAA TSO-C30c TYPES I AND II APPROVAL
TSO-C96a CLASS II APPROVAL

5. MEETS ANTI-COLLISION LIGHT INTENSITY REQUIREMENTS WITH A STROBE POWER SUPPLY PRODUCING A MINIMUM OF 20 JOULES FOR CLASS II.

6. TEST PER ATP 05254

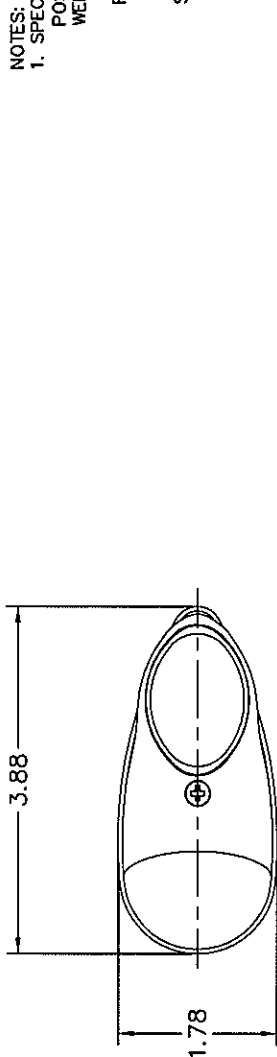


QTY.	ITEM	PART NUMBER	DESCRIPTION
*	01-0771109-02	MODEL 7111002	FINAL ASSY, (14V RED RFI)
*	01-0771109-01	MODEL 7111001	FINAL ASSY, (14V GRN RFI)
*	01-0771110-02	MODEL 7111002	POS./STROBE ASSY (14V RED RFI)
*	01-0771110-01	MODEL 7111001	POS./STROBE ASSY (14V GRN RFI)
QTY.	ITEM	PART NUMBER	DESCRIPTION
THIS DRAWING IS PROPRIETARY TO THE WHELEN ENG. CO. INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING WITHOUT WRITTEN AUTHORIZATION FROM WHELEN ENG. CO. INC. IS PROHIBITED.			
MATERIAL			
FRESH			
TOLERANCES: UNLESS OTHERWISE SPECIFIED			
ANGLES 1/2"	XX=±.03	DATE	RELEASE DATE
	.XXX=±.015	11/8/06	3/8/07
© 2006 WHELEN ENG. CO. INC. CASE CODE 10402 APP. TMF	71110	REV	SHEET
		A	1
			2

WHELEN®
ENGINEERING COMPANY INC. CHESTER, CT 06412-0884
TELEPHONE (860)339-8504

MODEL 71110 SERIES
LED WINGTIP POSITION
& STROBE LIGHT ASSY

REV	ECN	DESCRIPTION	DATE
A	35070	DO-160 REQS, UNIT WIDTH 9/18/07	



NOTES:

1. SPECIFICATIONS:
POSITION LIGHT(S) POWER: 0.25 AMPS @ 28 VDC
WEIGHT: 0.5lbs NOMINAL

FORWARD POSITION LIGHT:

- LED COLOR: (RED OR GREEN)
- LENS: CLEAR POLYCARBONATE, HARDCOATED
- STROBE LIGHT:
- XENON FLASHTUBE
- LENS: CLEAR HEAT RESISTANT GLASS, RF COATED
- PER MIL-C-7989B CLASS B

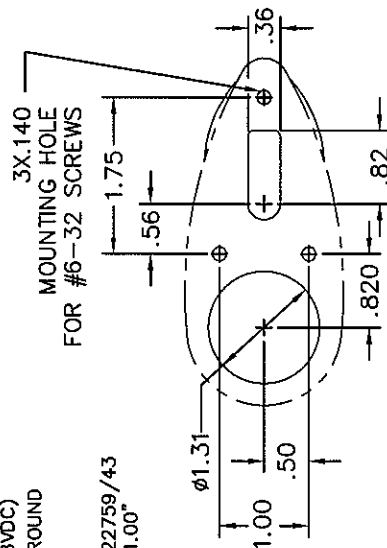
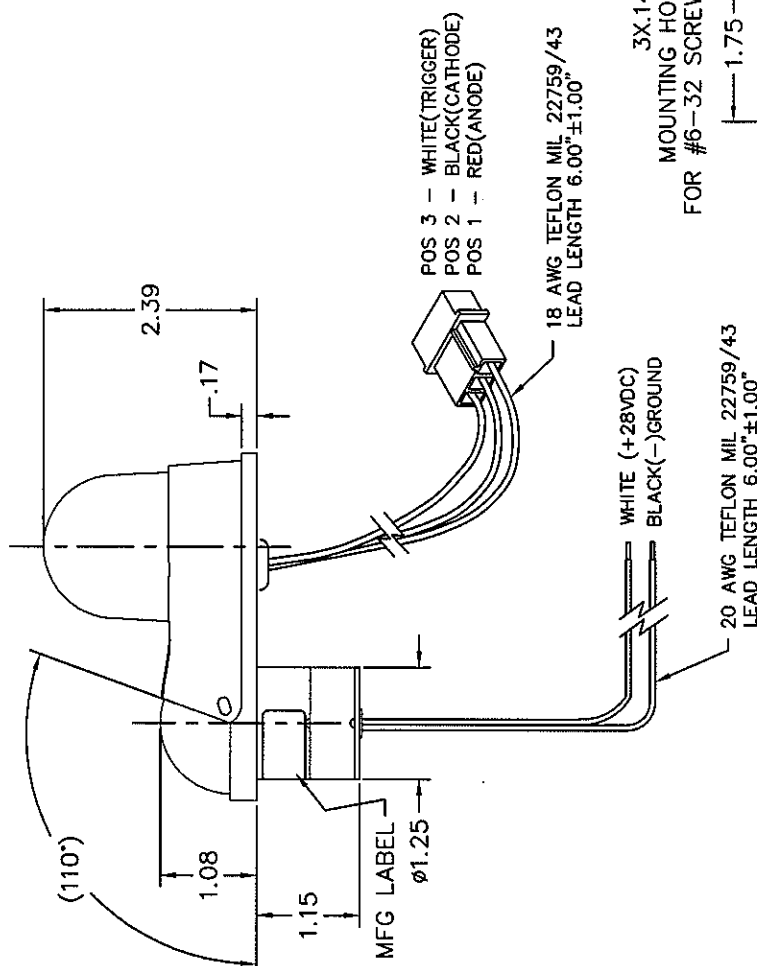
2. UNIT COMPLIES WITH COLOR REQUIREMENTS OF FAR PART 25.1397(d) FOR AVIATION RED, PART 25.1397(b) FOR AVIATION GREEN AND PART 25.1397(c) FOR AVIATION WHITE.

3. UNIT COMPLIES WITH THE FOLLOWING ENVIRONMENTAL TEST REQUIREMENTS IN ACCORDANCE WITH RTCA/DO-160 E:
TEMPERATURE/ALTITUDE: SECT. 4, CATEGORY F2
TEMPERATURE VARIATION: SECT. 5, CATEGORY S2
HUMIDITY: SECT. 6, CATEGORY C
OPERATIONAL SHOCK/CRASH SAFETY: SECT. 7, CATEGORY A
VIBRATION: SECT. 8, CATEGORY S, CURVE 1
WATERPROOFNESS: SECT. 10, CATEGORY S
*MAGNETIC EFFECTS: SECT. 15, CATEGORY Z
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*INDUCED SIGNAL SUSCEPT.: SECT. 19, CATEGORY Z
RADIO FREQUENCY SUSCEPT.: SECT. 20, CATEGORY R
*RADIO FREQUENCY EMISSIONS: SECT. 21, CATEGORY H
ICING: SECT. 24, CATEGORY A
FLAMMABILITY: SECT. 26, CATEGORY C
*=POSITION LIGHTS

4. FAA TSO-C30c TYPES I AND II APPROVAL
TSO-C96a CLASS II APPROVAL

5. MEETS ANTI-COLLISION LIGHT INTENSITY REQUIREMENTS WITH A STROBE POWER SUPPLY PRODUCING A MINIMUM OF 20 JOULES FOR CLASS II.

6. TEST PER ATP 05254



QTY.	ITEM	PART NUMBER	DESCRIPTION
*	01-0771109-04	MODEL 7111004 FINAL ASSY, (28V RED RFI)	
*	01-0771109-03	MODEL 7111003 FINAL ASSY, (28V GRN RFI)	
*	01-0771110-04	MODEL 7111004, POS./STROBE ASSY (28V RED RFI)	
*	01-0771110-03	MODEL 7111003, POS./STROBE ASSY (28V GRN RFI)	
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WHELEN® ROUTE 145 CHESTER, CT 06412-0664 ENGINEERING COMPANY INC. TELEPHONE (860)528-9504			
MODEL 71110 SERIES LED WINGTIP POSITION & STROBE LIGHT ASSY			
TOLERANCES UNLESS OTHERWISE SPECIFIED			
ANGLES ±1/2°	XX=±0.3	DATE	RELEASE DATE
XXX=±0.015	ENGR. T.M.F.	11/8/06	3/8/07
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