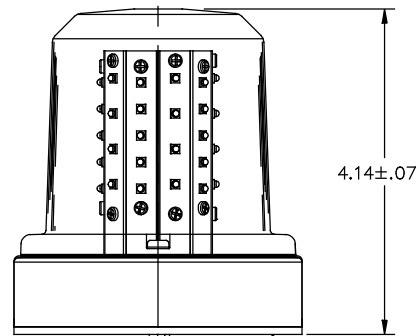


4X#6-32 MTG HOLES
EQUALLY SPACED ON
A #1.250 BOLT CIRCLE

SUGGESTED MOUNTING HOLE PATTERN(S)



NOTE: 01-0770905-02 REVISION "G"
INCORPORATES REVISED LED
CONFIGURATION. * NO REFLECTOR
REQUIRED

ADAPTER PLATE

MFG LABEL

*CUSTOMER ORDER NUMBER

(+)28VDC WHITE 18GA
22759/43 WIRE 18"±1"LG
(-)GROUND BLACK 18GA
22759/43 WIRE 18"±1"LG

TEFLON TUBE 18GA
18"±1"LG
(PRESSURE VENTING)

REV	ECN	DESCRIPTION	DATE
A	26606	ADD SHT 2 THRU 4	5/30/03
B	30516	ADD PAGES 5 & 6	10/29/04
C	30910	SEE SHEET 5	3/2/05
D	32275	SEE SHEET 5 OF 6	2/14/06
E	33968	SEE SHT 5	2/7/07
F	35558	ADDED SHEET 7 OF 7	1/4/08
G	46042	CHANGE FINAL -02 PN	1/29/13

NOTES:

1. SPECIFICATIONS:

INPUT VOLTAGE: 28VDC NOMINAL
INPUT CURRENT: 0.45 AMPS AVERAGE,
2.5 AMPS PEAK @ .25 SECONDS

LED COLOR: AVIATION RED
LENS: CLEAR POLYCARBONATE
FLASHRATE: 45±5 PER MIN.
WEIGHT: 1.2 lbs

2. UNITS MEET THE MINIMUM REQUIREMENTS STATED IN FAR PARTS 27 & 29 FOR ANTI-COLLISION LIGHT SYSTEMS USED ON ROTORCRAFT. REF. WHELEN INSTALLATION GUIDE.

*REF; CLASS 1 (150 CANDELA EFFECTIVE INTENSITY) OF SAE AS 8017A MINIMUM PERFORMANCE STANDARDS.

3. UNITS COMPLY WITH THE FOLLOWING ENVIRONMENTAL TEST REQUIREMENTS IN ACCORDANCE WITH RTCA/DO-160d:

TEMPERATURE/ALTITUDE: SECT. 4, CAT. B3

PARA 4.5.1 OPERATING LOW TEMPERATURE: -45°C

PARA 4.5.2 GROUND SURVIVAL HIGH TEMPERATURE: +85°C

SHORT TIME OPERATION HIGH TEMPERATURE: +70°C

PARA 4.5.3 OPERATING HIGH TEMPERATURE: +70°C

PARA 4.6.1 ALTITUDE: 25,000 FEET

TEMPERATURE VARIATION: SECT. 5, CAT. A

HUMIDITY: SECT. 6, CAT. C

SHOCK: SECT. 7, CAT. A

VIBRATION: SECT. 8, CAT. U, F1

WATERPROOFNESS: SECT. 10, CAT. S

MAGNETIC EFFECTS: SECT. 15, CAT. Z

POWER INPUT: SECT. 16, CAT.B, PARA. 16.5.2, 16.5.4

VOLTAGE SPIKE: SECT. 17, CAT. B

AUDIO FREQUENCY CONDUCTED SUSCEPT: SECT. 18, CAT. B

RADIO FREQUENCY SUSCEPTIBILITY: SECT. 20

PARA 20.4 CONDUCTED CAT. Q, 50V/m

PARA 20.5 RADIATED CAT. T, 10V/m

RADIATED AND CONDUCTED EMISSIONS: SECT. 21, CAT. H

LIGHTNING: SECT. 22, LEVEL A4C4

4. FAA TSO-C96a APPROVED

5. TEST PER ATP 05035.

CONTROL DRAWING

1	1	01-0271777-02	MODEL 7090502 FINAL ASSEMBLY
*	*	01-0770905-02	MODEL 7090502 LED ANTI COLLISION LT
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		ROUTE 145 CHESTER, CT 06412-0684 ENGINEERING COMPANY INC. TELEPHONE (860)526-9504	
FINISH		MODEL 70905() SERIES LED ANTI COLLISION LT	
TOLERANCE: UNLESS OTHERWISE SPECIFIED		DR. KCT	SCALE
ANGLES ±1/2"		CH. LTG	DATE
.XX=±.03		ENG. TMF	5/30/03
.XXX=±.015		DWG NO.	RELEASE DATE
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REV	ISSUE	SHEET	OF
G	-	3	7