

# L-807

## Rigid Supporting Structure

### Compliance with Standards

- ICAO Annex 14 Vol. I par. 5.1.1 & Annex 14 Vol. II par. 5.1.1.
- FAA L 807, AC150-5345-27E
- T/C: TP 312, par. 5.1.1.
- UK CAA CAP 168 & CAP 437

### Uses

An aerodrome or heliport shall be equipped with at least one wind direction indicator.

### Features/Benefits

- Reliable wind direction and wind speed indication
- Low maintenance costs
- Available with internal LED lighting, External LED lighting or Unlighted
- Lighted assemblies standard fitted with type L810 LED obstruction light
- Low power consumption
- Tilt-able mast for easy replacement of the windsock
- No rotating electrical parts
- No mercury containing slip-rings are used
- Windsock and swivel frames in all required sizes
- Windsock available in FAA Orange or ICAO Red/White
- Mast & Mast-support powder coated in FAA Orange or ICAO Red/White
- Available in 100-230 Vac and 6.6 A.



Fig. 1 L-807

**Lighting Assembly - LED**

- The externally lighted wind cone provides illumination on the upper surface of the fully extended windsock. The external lighting unit uses four LED floodlights.
- The internally lighted wind cone provides an average illumination on the top and lateral surface of a fully extended windsock. The internal lighting unit uses 3 x 5 Watt LEDs for the illumination of the windsock.

**Operation**

The operation of the wind cone is entirely dependent on the direction and relative velocity of the surface wind. Movement of the wind through the open throat of the cage and into the sock causes the tail to inflate. The tail of the inflated sock indicates true wind direction for velocities as low as three knots through a 360° circle about the vertical shaft.

**Wind Cone Classifications**

Style I-A:	External Lighted
Style I-B:	Internal Lighted
Style II:	Unlighted
Size 1:	0.45 m x 2.50 m (Ø 18" x 8 feet)
Size 2:	0.9 m x 3.75 m (Ø 36" x 12 feet)

**Power**

L-807	Input	Consumption
<b>Style I-A: External lighted</b>		
LED	100 - 240VAC - 50/60Hz	45 Watt
HALOGEN	2,8 - 6,6 A - 50/60Hz	150 Watt
<b>Style I-B: Internal lighted</b>		
LED	100 - 240 VAC - 50/60Hz	20 Watt
FLUORESCENT	2,8 - 6,6 A - 50/60Hz	34 Watt
<b>Style II: Unlighted</b>		

**Packaging**

Description	Quantity per box	Dimensions	Weight
L807 External lighted Size 1 & 2	1 bundle	5000x170x150 mm 196.9x6.7x5.9 in	33 kg 72.8 lbs
	1 pallet	1500x800x 1400 mm 59.1x31.5x55.1 in	75 kg 165.3 lbs
L807 Internal lighted Size 1 & 2	1 bundle	5000x107x150 mm 196.9x4.2x5.9 in	33 kg 72.8 lbs
	1 pallet	1500x800x1300 mm 59.1x 31.5x51.2 in	75 kg 165.3 lbs
L807 Unlighted Size 1 & 2	1 bundle	5000x170x150 mm 196.9x6.7x5.9 in	32 kg 70.5 lbs
	1 pallet	1500x800x1300 mm 59.1x31.5x51.2 in	67 kg 147.7 lbs

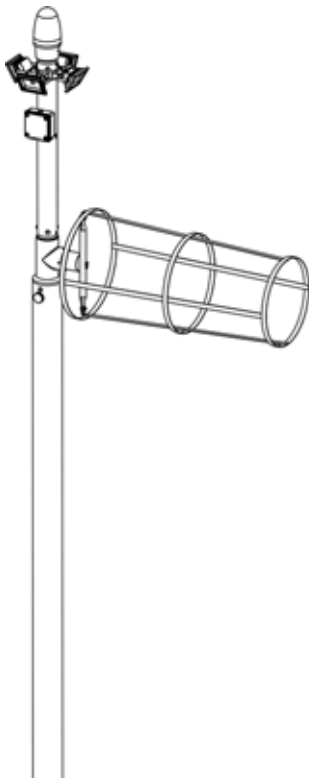


Fig. 2 External Lighted Style I-A

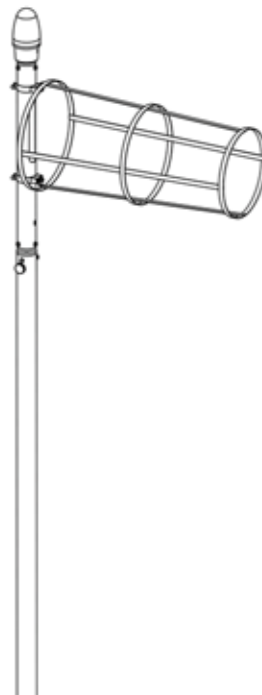


Fig. 3 Internal Lighted Style I-B

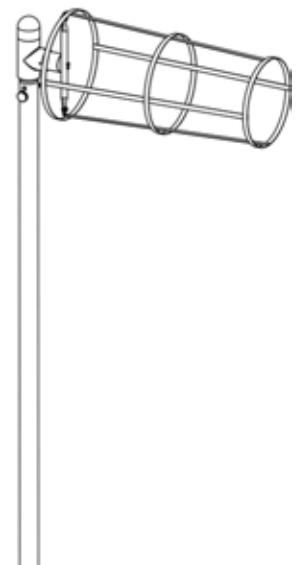


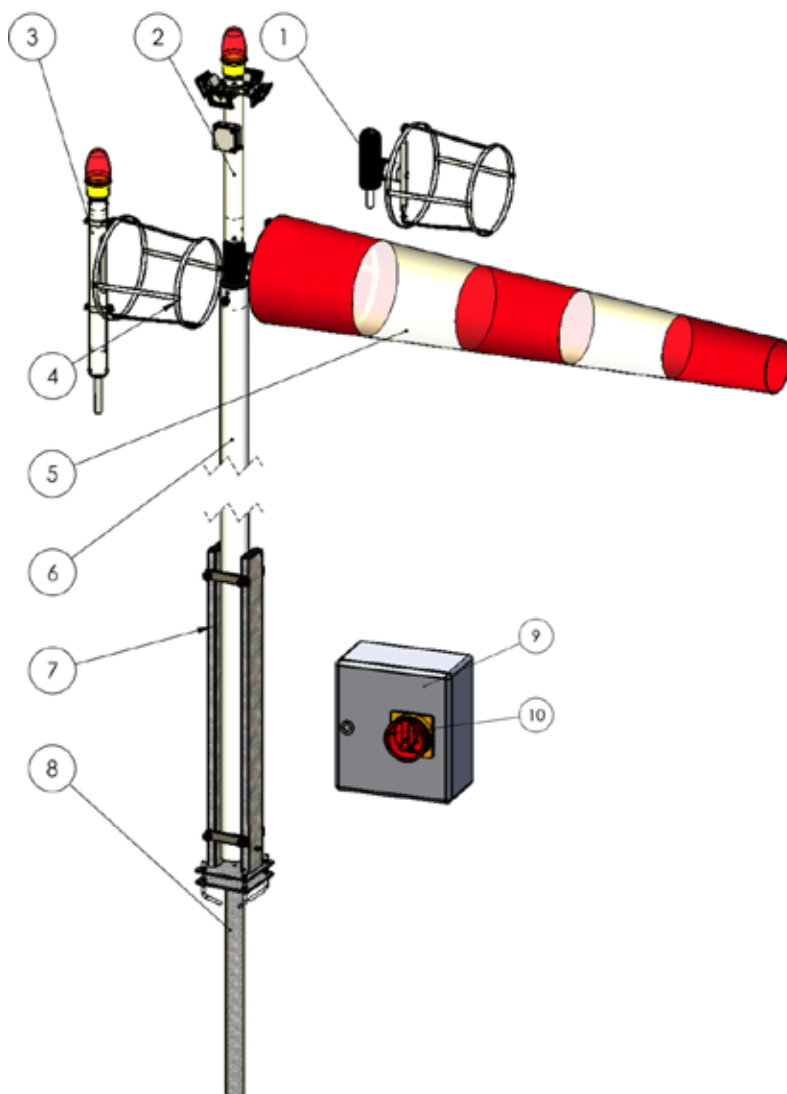
Fig. 4 Unlighted Style II

**FAA**

no.	Part description	Part No.
1	Swivel Frame	F060008B
2	External Lighting Unit	F061001
3	Internal Lighting Unit	F062001
4	Windsock Cone	
	Size 1	F060021A
	Size 2	F060021B
5	Windsock	
	Size 1	F060009A
	Size 2	F060009B
6	Mast Assembly	F060007C
7	Support Assembly	F060005C
8	Foundation Assembly	F060003
9	Junctionbox	F060013
10	Powerswitch	F060014

**ICAO**

no.	Part description	Part No.
1	Swivel Frame	F060008B
2	External Lighting Unit	I061001
3	Internal Lighting Unit	I062001
4	Windsock Cone	
	Size 1	F60021A
	Size 2	F60021B
5	Windsock	
	Size 1	I060009A
	Size 2	I060009B
6	Mast Assembly	I060007C
7	Support Assembly	I060005C
8	Foundation Assembly	F060003
9	Junctionbox	F060013
10	Powerswitch	F060014



Ordering Codes L807 - FAA

Type	voltage	Size	Style	Order Code
L807- Rigid	6,6A	1	Style IA	HA-L807-SE010
L807- Rigid	230 Vac	1	Style IA	HA-L807-SE011
L807- Rigid	6,6A	2	Style IA	HA-L807-LE012
L807- Rigid	230 Vac	2	Style IA	HA-L807-LE013
L807- Rigid	6,6A	1	Style IB	HA-L807-SI014
L807- Rigid	230 Vac	1	Style IB	HA-L807-SI015
L807- Rigid	6,6A	2	Style IB	HA-L807-LI016
L807- Rigid	230 Vac	2	Style IB	HA-L807-LI017
L807- Rigid	N/A	1	Style II	HA-L807-SU018
L807- Rigid	N/A	2	Style II	HA-L807-LU019

Ordering Codes L807 - ICAO

Type	voltage	Size	Style	Order Code
L807- Rigid	6,6A	1	Style IA	HA-L807-SE010-I
L807- Rigid	230 Vac	1	Style IA	HA-L807-SE011-I
L807- Rigid	6,6A	2	Style IA	HA-L807-LE012-I
L807- Rigid	230 Vac	2	Style IA	HA-L807-LE013-I
L807- Rigid	6,6A	1	Style IB	HA-L807-SI014-I
L807- Rigid	230 Vac	1	Style IB	HA-L807-SI015-I
L807- Rigid	6,6A	2	Style IB	HA-L807-LI016-I
L807- Rigid	230 Vac	2	Style IB	HA-L807-LI017-I
L807- Rigid	N/A	1	Style II	HA-L807-SU018-I
L807- Rigid	N/A	2	Style II	HA-L807-LU019-I

Product specifications may be subject to change, and specifications listed here are not binding. Confirm current specifications at time of order.

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