

WIND CONES

L-807

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, AC150-5345-27
T/C:	TP 312, par. 5.1.1.
UK	CAA CAP 168

Uses

An airport should be equipped with the necessary wind cones to visually provide approach and surface wind direction information to pilots.

Features/Benefiits

- Reliable wind direction and wind speed indication
- Low maintenance costs
- Available with internal LED lighting, External LED lighting or Unlighted; halogen and fluorescent versions also available
- Lighted assemblies standard fitted with type L810 LED obstruction light
- Low power consumption
- Tilttable mast for easy replacement of the windsock
- No rotating electrical parts
- No slip-rings are used
- Windsock and swivel frames in all required sizes
- Windsock available in FAA Orange or ICAO Red/White
- Mast and Mast-support powder coated in FAA Orange or ICAO Red/White
- Available in 100 to 240 VAC and 6.6A constant current airport series lighting circuit.

Lighting Assemblies – LED versions

- 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 LEDs for the illumination of the windsock.
- Both versions are fitted with a L810 top LED obstruction light.

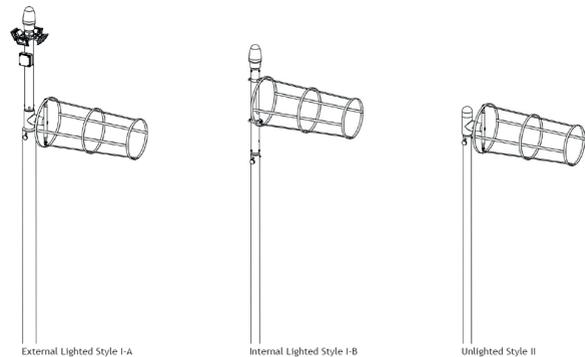
Lighting Assembly – Halogen & Fluorescent version

- The externally lighted wind cone provides illumination on the upper surface of the fully extended windsock. The external lighting unit uses four halogen floodlights. A L810 top obstruction light is fitted with a halogen bulb.
- 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 a 26 watt fluorescent bulb for the illumination of the windsock. A L810 top obstruction light is fitted with a 10Watt fluorescent bulb.

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.

Windsock Assemblies



Wind Cone Classifications

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)
Style I-A:	External Lighted
Style I-B:	Internal Lighted
Style II:	Unlighted

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Power

L-807	Input	Consumption
Style I-A: External lighted		
LED	6.6-2.8A - 50/60Hz	25 Watt
HALOGEN	6.6-2.8A - 50/60Hz	150 Watt
LED	100-240VAC - 50/60Hz	45 Watt
Style I-B: Internal lighted		
LED	6.6-2.8A - 50/60Hz	25 Watt
FLUORESCENT	6.6-2.8A - 50/60Hz	34 Watt
LED	100-240VAC - 50/60Hz	20 Watt
Style II: Unlighted		
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Note: Total power consumption including obstacle lights

Packaging

Description	Quantity per box	Dimensions	Weight
L807 External lighted Size 1 & 2	1 bundle	5000×170×150 mm 196.9×6.7×5.9 in	72.8 lbs 33 kg
	1 pallet	1500×800×1400 mm 59.1×31.5×55.1 in	75 kg 165.3 lbs
L807 Internal lighted Size 1 & 2	1 bundle	5000×107×150 mm 196.9×4.2×5.9 in	33 kg 72.8 lbs
	1 pallet	1500×800×1300 mm 59.1×31.5×51.2 in	75 kg 165.3 lbs
L807 Unlighted Size 1 & 2	1 bundle	5000×170×150 mm 196.9×6.7×5.9 in	32 kg 70.5 lbs
	1 pallet	1500×800×1300 mm 59.1×31.5×51.2 in	67 kg 147.7 lbs

Ordering Code

Windcone
HA

Type
807 = L807

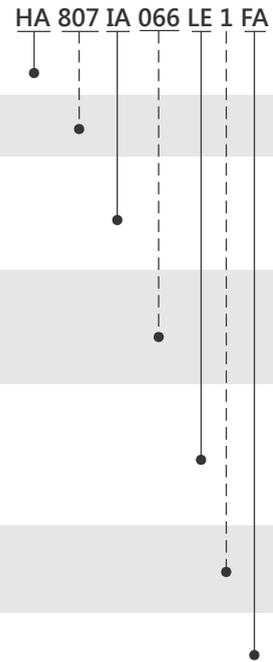
Style
IA = Style IA
IB = Style IB
II = Style II

Power
066 = 6.6A power
230 = 230Vac Power
000 = Unlighted/ no power

Lamp Type
LE = LED lighting
HA = Halogen Lighting
FL = Fluorescent Lighting
NA = Not Applicable / not lighted

Windssock
1 = Size 1 windssock
2 = Size 2 windssock

Windssock Color Type
FA = FAA Orange
IC = ICAO Red/White

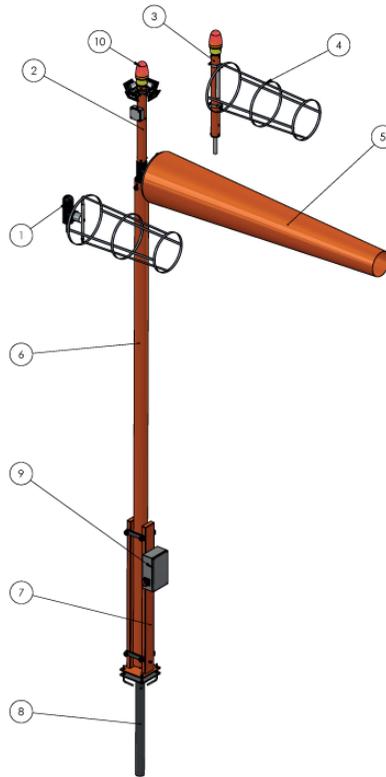


Codification

L807- Rigid Spare Parts			
No.		FAA ORANGE	ICAO RED/WHITE
1	Swivel Head size 1	HAF060S08001	HAF060S08001
	Swivel Head size 2	HAF060S08002	HAF060S08002
2	Externally lighted Unit LED 6.6A Size 1	HAF061S01001	HAIC061S01001
	Externally lighted Unit LED 6.6A Size 2	HAF061S01002	HAIC061S01002
	Externally lighted Unit HALOGEN 6.6A Size 1	HAF061S01003	HAIC061S01003
	Externally lighted Unit HALOGEN 6.6A Size 2	HAF061S01004	HAIC061S01004
	Externally lighted Unit LED 100 - 240 VAC Size 1	HAF061S01005	HAIC061S01005
	Externally lighted Unit LED 100 - 240 VAC Size 2	HAF061S01006	HAIC061S01006
3	Internally lighted LED 6.6A	HAF062S01001	HAIC062S01001
	Internally lighted Unit Fluorescent 6.6A	HAF062S01002	HAIC062S01002
	Internally lighted Unit LED 100 - 240 VAC	HAF062S01003	HAIC062S01003
4	Windsock Frame Size 1 METRIC	HAF060S09001	HAF060S09001
	Windsock Frame Size 2 METRIC	HAF060S09002	HAF060S09002
5	Windsock Size 1 METRIC Ø 45 cm × 250 cm	HAF060P21001	HAIC060P21001
	Windsock Size 2 METRIC Ø 90 cm × 375 cm	HAF060P21002	HAIC060P21002
6	Mast Assembly	HAF060S07002	HAIC060S07002
7	Mast Support	HAF060S05001	HAIC060S05001
8	Foundation Tube	HAF060S02001	HAF060S02001
9	Junction Box for 6.6 A externally lighted - LED	HAF060S01101	HAF060S01101
	Junction Box for 6.6 A externally lighted - Halogen	HAF060S01102	HAF060S01102
	Junction Box for 230 Vac. externally lighted - LED	HAF060S01103	HAF060S01103
	Junction Box for 6.6A internally lighted - LED	HAF060S01104	HAF060S01104
	Junction Box for 6.6A internally lighted - Fluorescent	HAF060S01105	HAF060S01105
	Junction Box for 230 Vac. internally lighted - LED	HAF060S01106	HAF060S01106
10	HA-OL L810 - externally lighted version 6.6A HALOGEN	HAF060S02101	HAIC060S02101
	HA-OL L810 - internally lighted version 6.6A FLUORESCENT	HAF060S02102	HAIC060S02102
	HA-OL L810 - externally lighted version 6.6A LED	HAF060S02103	HAIC060S02103
	HA-OL L810 - internally lighted version 6.6A LED	HAF060S02104	HAIC060S02104
	HA-OL L810 - externally & internally lighted version 100-240Vac LED	HAF060S02105	HAIC060S02105

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Ordering Codes L-807 – FAA & ICAO

L-807 - Rigid Complete Assembly						
Type	Style	Voltage	Ligthing	Size	FAA ORANGE	ICAO RED/WHITE
807	IA	6.6A	LED	1	HA807IA066LE1FA	HA807IA066LE1IC
807	IA	6.6A	LED	2	HA807IA066LE2FA	HA807IA066LE2IC
807	IA	6.6A	Halogen	1	HA807IA066HA1FA	HA807IA066HA1IC
807	IA	6.6A	Halogen	2	HA807IA066HA2FA	HA807IA066HA2IC
807	IA	230V	LED	1	HA807IA230LE1FA	HA807IA230LE1IC
807	IA	230V	LED	2	HA807IA230LE2FA	HA807IA230LE2IC
807	IB	6.6A	LED	1	HA807IB066LE1FA	HA807IB066LE1IC
807	IB	6.6A	LED	2	HA807IB0 66LE2FA	HA807IB066LE2IC
807	IB	6.6A	Fluorescent	1	HA807IB066FL1FA	HA807IB066FL1IC
807	IB	6.6A	Fluorescent	2	HA807IB066FL2FA	HA807IB066FL2IC
807	IB	230V	LED	1	HA807IB230LE1FA	HA807IB230LE1IC
807	IB	230V	LED	2	HA807IB230LE2FA	HA807IB230LE2IC
807	II	n.a.	n.a.	1	HA807II000NA1FA	HA807II000NA1IC
807	II	n.a.	n.a.	2	HA807II000NA2FA	HA807II000NA2IC

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