

WIND CONES

WC807

LED & Incandescent Primary Wind Cone
NON-FRANGIBLE



Compliance with Standards

FAA: L-807 & L-807(L) AC 150/5345-27 (Current Edition) and the FAA Engineering Brief No. 67. ETL Certified.

Uses

FAA L-807, L-807(L)

Provides visual surface wind direction and velocity information to pilots in flight or on the ground at airports and heliports

Features

- Available externally lighted, internally lighted, or unlighted
- LED or halogen lamps
- All LED models feature:
 - 50,000 to 100,000 hour lamp life, virtually maintenance free
 - Multiple lamp circuits for improved reliability
 - 80-90% less power consumption than halogen lamps
 - A long-life LED obstruction light
 - Integral power adapter on series circuit models
- An incandescent L-810 obstruction light is included on halogen-lighted models
- Size 1 (18" dia. x 8' long) or Size 2 (36" dia. x 12' long) wind socks
- The pole is center-hinged with 4" diameter steel on the bottom and 3" diameter steel on the top
- A center-mounted braked winch allows 1-person maintenance.
- The four anchor bolts are a one-piece welded assembly, ready to drop in the ground
- The aluminum basket is welded, one piece, with pre-installed bearings
- Raincaps protect the bearings from weather
- The nylon sock is treated for rot, mildew, and water repellency
- Powder coat painted international orange
- Made in the USA and ETL Certified by Hali-Brite, Inc., Crosby, MN.

FAA Wind Cone Classifications

Size 1:	8 foot
Size 2:	12 foot
Style I-A:	Externally Lighted
Style I-B:	Internally Lighted
Style II:	Unlighted

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.

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External LED Light



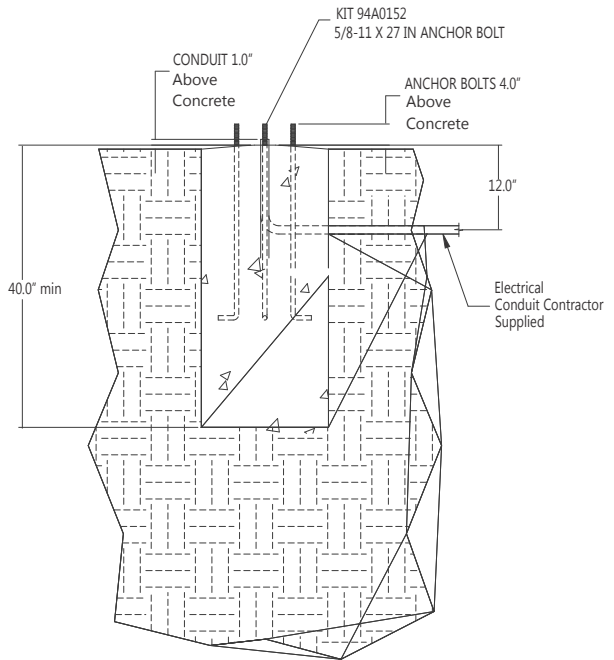
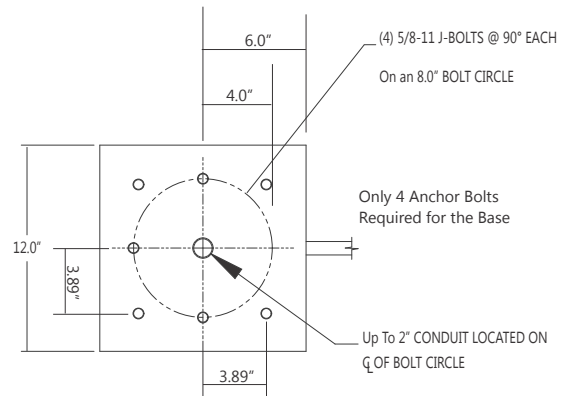
Internal LED Light



External Halogen Light



Internal Halogen Light



Wind Cone Base Mounting

Wind Cone Selection Chart

Product Number	FAA Size	FAA Style	Power Source	Lamp Type	Fixture VA ^{1, 2}	Fixture Watts ^{1, 2}	Weight (lb)	Replacement Lamp
L807-S1-UN-NON-ON-N	1	II Unlighted	None	None	0	0	187	None
L807-S1-EX-120-ON-5	1	I-A External	108-132 VAC	LED	15	14	198	9200-0032
L807-S1-EX-230-ON-5 ³	1	I-A External	207-253 VAC	LED	15	14	198	9200-0044
L807-S1-EX-66A-ON-5 ⁴	1	I-A External	2.8-6.6 AMP	LED	28	26	197	9200-0034
L807-S1-IN-120-ON-5	1	I-B Internal	108-132 VAC	LED	32	19	200	9200-0038
L807-S1-EX-120-ON-N ³	1	I-A External	108-132 VAC	Halogen	191	191	196	3400-0122
L807-S1-IN-120-ON-N ³	1	I-B Internal	108-132 VAC	Halogen	316	316	198	3400-0100 Regent
L807-S1-EX-12-ON-5	1	I-A External	11.5-13 VDC	LED	6	6	197	9200-0033
L807-S1-IN-12-ON-5 ³	1	I-B Internal	11.5-13 VDC	LED	6	6	197	9200-0041
L807-S1-IN-66A-ON-5 ⁴	1	I-B Internal	2.8-6.6 AMP	LED	41	37	198	9200-0039
L807-S2-UN-NON-ON-N	2	II Unlighted	None	None	0	0	199	None
L807-S2-IN-120-ON-5	2	I-B Internal	108-132 VAC	LED	60	32	212	9200-0040
L807-S2-EX-120-ON-5	2	I-A External	108-132 VAC	LED	22	21	210	9200-0035
L807-S2-EX-230-ON-5 ³	2	I-A External	207-253 VAC	LED	22	21	210	9200-0043
L807-S2-EX-66A-ON-5 ⁴	2	I-A External	2.8-6.6 AMP	LED	28	26	209	9200-0037
L807-S2-EX-120-ON-N ³	2	I-A External	108-132 VAC	Halogen	191	191	208	3400-0122
L807-S2-IN-120-ON-N ³	2	I-B Internal	108-132 VAC	Halogen	516	516	210	3400-0100 Regent
L807-S2-EX-12-ON-5	2	I-A External	11.5-13 VDC	LED	10	10	210	9200-0036
L807-S2-IN-12-ON-5 ³	2	I-B Internal	11.5-13 VDC	LED	10	10	210	9200-0042
L807-S2-IN-66A-ON-3 ⁵	2	I-B Internal	2.8-6.6 AMP	LED	57	53	210	9200-0031
L807-S1-IN-230-ON-5 ³	1	I-B Internal	198-256 VAC	LED	40	21	200	9200-0045
L807-S2-IN-230-ON-5 ³	2	I-B Internal	198-256 VAC	LED	76	36	212	9200-0046

Note:

¹ Power consumption specifications include the L-810 obstruction light.

² Isolation transformer VA loss not included.

³ This FAA Style is not ETL certified.

⁴ Requires 100 watt L-830 transformer, sold separately.

⁵ Requires 200 watt L-830 transformer, sold separately.