



WIND CONE

SOLAR ILLUMINATED SYSTEM

Cost-effective, low-maintenance solution for improving safety at temporary, permanent and emergency airports and heliports.

- Internally LED illuminated
- Powered by a robust Solar Power Supply (SPS)
- Designed to meet L-806(L) or L-807(L) FAA AC 150/5345-27
- Compliant with ICAO Annex 14, Volume 1, 6th Edition

Easy Installation and Relocation

No specialized work crews required. Limited air traffic disruption and functions immediately upon installation. Optional Handheld Controller allows for wireless operation including mode changes for enhanced visibility in poor weather conditions up to 4 km (2.5 m) away.

Rugged, Weatherproof Design

Sealed bearings for precision vaning and true wind direction in all types of weather and wind conditions. Additional bearing covers provided for protection against dirt and moisture. Water-repellent and color-fast nylon sock is resistant to rot and mildew. Standard orange or white/orange sock.

Reliable Performance

The SPS provides power to the wind cone in a simple to install package. Nominal 10 day autonomy (operation without solar charging) ensures consistent performance with a minimum 5 year battery service life.



REPRESENTED IN YOUR REGION BY:



- 4 km (2.5 m) control range
- 900 MHz with encrypted signal
- Control 8 groups of lights independently

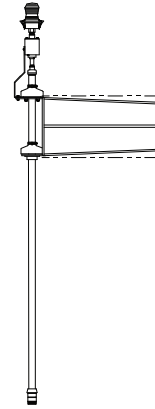
OPTIONAL HANDHELD CONTROLLER

WIND CONE

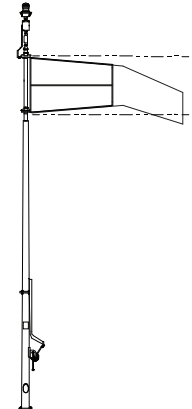
SOLAR ILLUMINATED SYSTEM

SPECIFICATIONS

MODELS	
L-806	Frangible, 8 foot windsock, unlit or internally lit
L-807	Non-frangible, size 1 or size 2 windsock, unlit or internally lit with centre hinge
OPERATING CONDITIONS	
Temperature	-45 to +55 °C (-49 to +131 °F)
Humidity	0 - 100%
SOLAR POWER SUPPLY (SPS)	
Installed Weight	50 watts (2 batteries) - 39 kg (86 lb) 135 watts (2 batteries) - 121.6 kg (268 lb)
Shipping Weight	50 watts - 129 kg (285 lb) 135 watts - 179 kg (395 lb)
Installed Dimensions	Height: 940-1400 mm (37-55 in) Width: 840 or 1500 mm (33 of 59 in)
Operating Temperature	-40 to +55 °C (-40 to +131 °F)
Storage Temperature	-40 to +55 °C (-40 to +131 °F)
Chassis	Weather and corrosion-resistant construction of steel and powder coated aluminum
Mounting	Frangible couplings and floor flange mounts
Wind loading	193 kph (120 mph) min. for 135W installed at 65° tilt
Tilt	25° - 65° in 10° steps
Diagnostics	On-board feedback indicators for: battery and system status
Certifications	CE, FCC
BATTERY	
Power	2x 12 VDC 100 Ahr Standard
Type	Replaceable and recyclable, absorbent glass mat (AGM) SLA. Standard with one battery
Charger	Temperature-compensated, maximum power point tracking (TC-MPPT)
PV PANEL	
Power	50, 135 W
Type	High-efficiency polycrystalline, IEC 61215
Lifetime	12 years at 90% output



L-806



L-807

DIMENSIONS - INTERNALLY LIT WIND CONES

WIND CONE	OVERALL HEIGHT
L-806	3099 mm (122 in)
L-807 size 1	6248 mm (246 in)
L-807 size 2	6706 mm (264 in)

Installation

The Wind Cone should be installed according to FAA AC 150/5340-30. The Solar Power Supply (SPS) should be installed on a level concrete pad between a minimum of 12 feet and a maximum 15 feet from the wind cone.

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.

CONFIGURATION

MODEL	TYPE ▼	ILLUMINATION ▼	SOCK ▼	CONTROL ▼	OPTIONS ▼
WIND CONE	L-806 - FRANGIBLE L-807 - SIZE 1, HINGED L-807 - SIZE 2, HINGED	UNLIT INTERNALLY LIT	ORANGE WHITE/ORANGE	NON-WIRELESS WIRELESS	FLOOR FLANGE



Specifications subject to local environmental conditions.

Specifications may be subject to change.

US and International patents apply. Other patents pending.

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