



Flight Light Inc.
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95822-3806

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Airport / Heliport Nylon Windsocks & Masts

Compliance

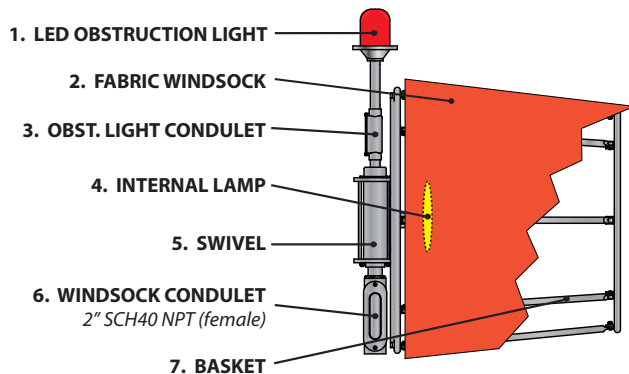
ICAO DOC 9157
ICAO ANNEX 14
FAA AC 150/5345-45C
FAA AC 150/5345-27D
TP312 5TH ED

Applications

We have a complete line of windsock assemblies for a variety of applications - airports, heliports, rail, oil & gas, chemical, etc. Our windsocks and masts are made from high-grade materials and designed

to provide reliable performance in even the most extreme environmental conditions. All equipment is designed to internationally recognized standards and thoroughly tested to ensure quality. Custom design engineering is available.

WINDSOCK ASSEMBLY



1. LED OBSTRUCTION LIGHT

- Available in Single and Double Lamp designs
- ICAO and Transport Canada compliant, FAA certified
- Voltage: 120 - 240 VAC
- Input Power: 6.5W per lamp
- Color: Red

2. FABRIC WINDSOCK

- Sizes: 0.9m x 3.6m, 0.6m x 2.4m, and 0.45m x 2.4m
- Color: Orange, Orange/White (5 bands)
- Polyurethane coated nylon weighing 135g/m²
- Brass grommets located at mouth for installation and underside for drainage
- Double material reinforced mouth
- UV rated cable ties supplied

3. OBSTRUCTION LIGHT CONDULET

- Aluminum body
- Aluminum cover with neoprene gasket provides waterproof access to electrical

4. INTERNAL LAMP

- Available in LED and PAR 38 Halogen designs
- LED Input: 18W
- LED Lamp Life: >50,000 hours
- PAR 38 fixture only, lamps not supplied
- Double lamp (redundancy) design available

5. SWIVEL

- Available in Lit and Unlit designs
- Aluminum Alloy parts and Stainless Steel hardware
- Utilizes 2 fully enclosed Stainless Steel bearings
- Lit version uses IP65 rated 6-circuit slipring allowing for truly redundant system and proper grounding

6. WINDSOCK CONDULET

- Cast Aluminum body
- Aluminum cover with neoprene gasket provides waterproof access to electrical
- 2" NPT (female) on base for mounting

7. BASKET

- Sizes: 0.90m, 0.60m, and 0.45m diameters
- Aluminum Alloy parts and Stainless Steel hardware
- Collapsible for low-cost shipping and easy assembly

8. ELECTRICAL (not shown)

- Available as 120-240VAC, 6.6A and 12V Solar
- Weatherproof junction box pre-wired and labeled
- Disconnect Switch
- Terminal Block
- 12V Transformer (LED design only)
- Optional Photocell
- Optional redundancy includes: extra transformer, disconnect, and lamp fixture

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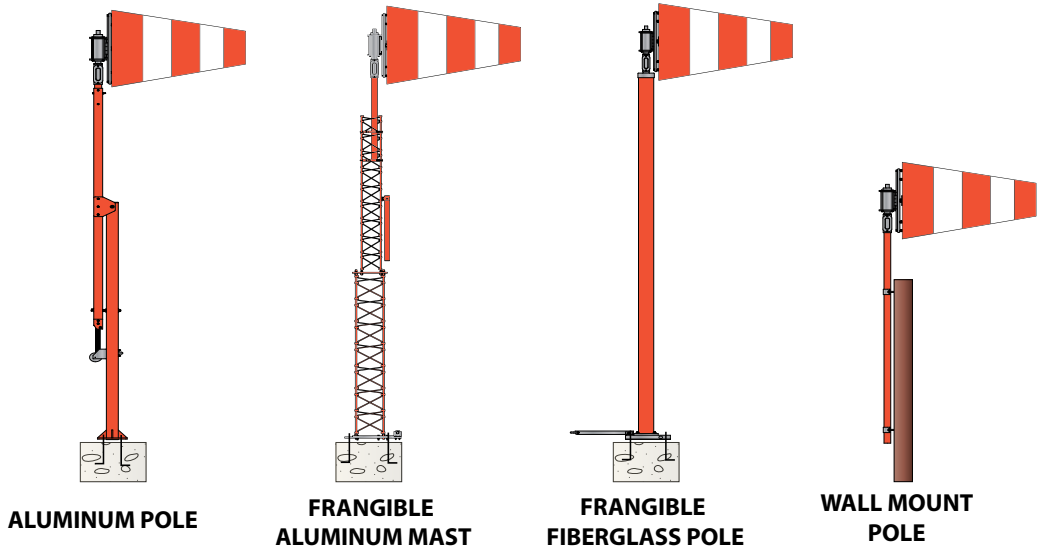
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MAST ASSEMBLY



TECHNICAL SPECIFICATIONS

DESIGN	AL POLE		AL FRANGIBLE		GRP FRANGIBLE	
STANDARD HEIGHTS ¹	2.25m	4.50m	2.25m	4.50m	2.25m	4.50m
WIND LOADING (km/h) ²						
MAX WIND SPEED, no ice						
MAX WIND SPEED, 12.5mm radial ice						
MAX WIND SPEED, 25mm radial ice						
SERVICEABILITY						
FIXED BASE	YES	YES	YES	YES	YES	YES
TILT BASE ³	YES	YES	YES	YES	YES	YES
CENTER HINGE ⁴	-	YES	-	YES	-	-
WALL MOUNT	YES	-	-	-	-	-
FRANGIBILITY						
ICAO / FAA COMPLIANT ⁵	-	-	YES	YES	YES	YES
FAA CERTIFIED	-	-	-	-	YES	YES
DIMENSIONS						
WEIGHT (kg)						
TYPICAL SHIPPING VOLUME (m ³)	0.28	0.68	0.34	1.04	0.28	0.44
TYPICAL SHIPPING WEIGHT (kg)						
FOUNDATION						
ANCHOR BOLTS SIZE	3/4" (x4)	3/4" (x4)	3/4" (x4)	3/4" (x4)	3/4" (x4)	3/4" (x4)
TYPICAL FOUNDATION VOLUME (m ³)	0.50	0.50	0.81	1.26	1.06	1.06

¹ Measured from base (AFG) to bottom of windsock assembly. Nominal.

² Calculations based on standard Millard 0.9m Diameter Windsock Assembly with Obstruction Light.

³ Operates manually. GRP Frangible Pole has an optional winch for mechanical lowering.

⁴ Operates using a winch.

⁵ Confirmed by 3rd party full-scale impact testing.

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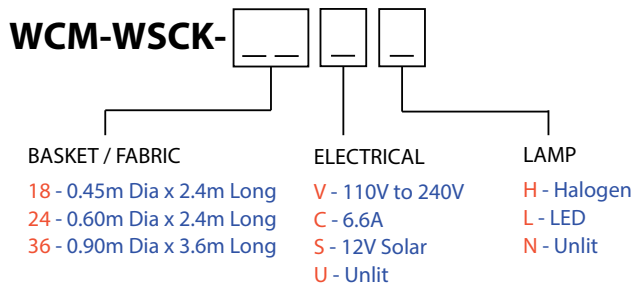
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ORDERING INFORMATION

- Windsock and Mast Assemblies are sold separately.
- Mast finish to be specified with order.
- Fabric Windsock color to be specified with order.
- Parts are available although not shown. Please inquire.
- Custom design engineering is available. Only standard kits shown.

WINDSOCK ASSEMBLY:



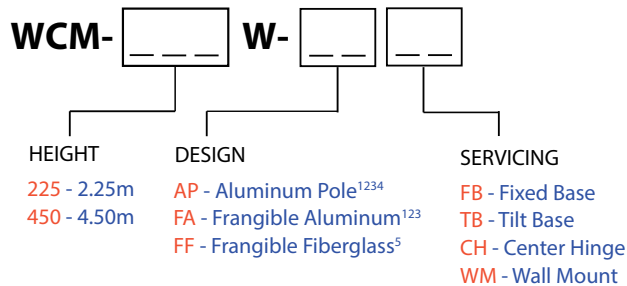
ACCESSORIES:

DESCRIPTION	PART NO	NOTES
LED OBSTRUCTION LIGHT (120 - 240VAC)	_OL1	S = Single Lamp D = Double Lamp
PHOTOCELL ¹	PHCL_	Specify power supply
REDUNDANCY ²	RDY_	Specify power supply
EXTRA FABRIC WINDSOCK	FABR-_____	Specify design

¹ Not available for Current Driven systems (6.6A)

² Includes a second lamp fixture, transformer and disconnect switch. Current Driven systems (6.6A) only include a second lamp fixture.

MAST ASSEMBLY:



ACCESSORIES:

DESCRIPTION	PART NO	NOTES
25mm ELECTRICAL CONDUIT	COO1	Orange, 6m Lengths
REMOVABLE WINCH	RMW2	FA Mast 4.50m Only
TILT DEVICE	FAAB-0100-2100	FF Pole Only
FRANGIBLE FUSE BOLTS	FB34	Sets of 4

FINISH OPTIONS:

NOTE	MAST FINISH
1	Bare Aluminum
2	Powder Coated Orange
3	Powder Coated Orange/White
4	Anodized Matte Finish
5	Painted Orange

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