MILLARD TOWERS LTD.

AVIATION WINDSOCKS



Millard Towers Aviation Windsocks are designed to provide critical wind information to pilots. Windsocks are engineered and manufactured to a variety of aviation standards including both ICAO Annex 14 and FAA 150 5345-27. All electrical, mechnical, and structural components have been fully vetted to ensure compliance.

The all-aluminum assembly provides rigid support, while remaining light enough to swivel freely in the lightest breeze. The design is also suitable for all environments, particularly those subject to high UV, wind, and saltwater exposure.

Windsocks can be supplied as Unlit or Lit. Lit assemblies are designed to suit 100-240VAC, 2.8-6.6A, or 12VDC power supplies. An optional obstruction light can be equipped to suit all three. Millard also manufactures a solar power supply for an off-grid solution.

Millard also manufactures a variety of Windsock towers and poles, including frangible designs.

SPECIFICATIONS

CONSTRUCTION.

SWIVEL & BASKET (ASTM): 6000 Series Aluminum

HARDWARE (ASTM): ECO GUARD Grade 5 Steel

POWDER COATING (AAMA): Orange, RAL 2002

RECYCLABLE (LEED): Made from 75% recycled Aluminum

WARRANTY: Fabric 6 months, Electrical 1 year, Structural 5 years

PERFORMANCE.

STANDARDS: ICAO Annex 14 & Doc 9261

FAA AC 150 / 5345-27

TRANSPORT CANADA TP312 & TP325

PHOTOMETRICS: MIN 8.4lx, AVG 50lx

FABRIC STRENGTH: WARP 1,054N, FILL 921N

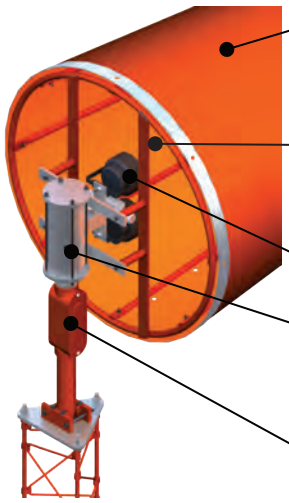
DESIGN

STANDARD WINDSOCKS

DIAMETER (cm)	POWER SUPPLY				STANDARD		
	UNLIT	100-240VAC*	2.8-6.6A**	12VDC	ICAO	FAA	TC
45	WSCK-18UN	WSCK-18VL	WSCK-18CL	WSCK-18SL	-	Size 1	Size 2
60	WSCK-24UN	WSCK-24VL	WSCK-24CL	WSCK-24SL	Heliport	-	Heliport
90	WSCK-36UN	WSCK-36VL	WSCK-36CL	WSCK-36SL	Airport	Size 2	Size 1

* Canadian installations require CSA certification. See *Accessories.*

** Isolation transformer supplied by others



A Certified Fabric
- 3rd party tested to FAA specifications
- Customer specified

B Windsock Basket / Frame
- Powder coated aluminum
- Knock-down for shipping

C LED Lamps, qty. 2

D Aluminum Swivel
- Enclosed stainless steel bearings
- IP65 slip ring

E Electrical Condulet

PART NO	DIMENSIONS (cm)			COLOUR	
	LARGE Ø	SMALL Ø	LENGTH	RED-WHITE xx = RW	ORANGE xx = OR
CWFF-1808-xx01	45	9	244	✓	✓
CWFF-2408-xx01	60	20	244	✓	✓
CWFF-2408-xx02	60	30	244	✓	✓
CWFF-3612-xx01	90	20	366	✓	✓
CWFF-3612-xx02	90	45	366	✓	✓

ACCESSORIES

OBSTRUCTION LIGHT



- Single lamp, red LED
- FAA L-810 & ICAO Type B (32cd)
- Mount, powder coated orange

STANDARD: *AAB-DC10-0003-G*

NVG MODEL: *AAB-DC10-0023-G*

SOLAR POWER



- Stand-alone 12VDC system
- Minimum 100 hour autonomy
- Bluetooth monitoring

90W SYSTEM: *AEP-DCDC-0007*

180W SYSTEM: *AEP-DCDC-0003*

PHOTOCELL

- Dusk-dawn autonomous operation

VAC/VDC SYSTEM: *ENPM-DC00-0000*

CSA CERTIFICATION

- Field evaluation on 100-240VAC

INSPECTION PART NO: *CSA-CERT*

REPLACEMENT PARTS

PART	PART NO	DESCRIPTION	NOTES
SWIVELS	WSCK-SWVL-0004	Windsock Swivel - Unlit	1-1/2" NPT Mount (Male), lamps not included
	WSCK-SWVL-0005	Windsock Swivel - Lit	1-1/2" NPT Mount (Male), lamps not included
LAMPS	LAMP-05SD	5W Lamp - Voltage Driven Systems	100-240VAC & 12VDC systems, 45cm design
	LAMP-12SD	12W Lamp - Voltage Driven Systems	100-240VAC & 12VDC systems, 60cm design
	LAMP-12SC	12W Lamp - Current Driven Systems	2.8-6.6A systems, 45cm & 60cm designs
	LAMP-18SD	18W Lamp - Voltage Driven Systems	100-240VAC & 12VDC systems, 90cm design
	LAMP-18SC	18W Lamp - Current Driven Systems	2.8-6.6A systems, 90cm design
	OBLT-LED1-0002	3.5W Obstruction Light Lamp	
BASKETS	BSKT-1836-1200	45cm Diameter w/ Spacers	Powder Coated Orange
	BSKT-2436-1200	60cm Diameter w/ Spacers	Powder Coated Orange
	BSKT-3636-0400	90cm Diameter w/ Spacers	Powder Coated Orange
FABRIC	*Please see DESIGN section for Fabric Windsock details and part numbers*		
ELECTRICAL	CAST-TYPC-2015	2" Condulet w/ Gasket Cover, Orange	1-1/2" NPT Female Top, 2" NPT Female Bottom
	DRVR-LED1-0001	100-240VAC LED Driver	For 100-240VAC Systems
	VLPS	100-240VAC Junction Box, pre-wired	6m SJOOW Cable included
	CLPS	2.8-6.6A Junction Box, pre-wired	6m SJOOW Cable included
	SLPS	12VDC Junction Box, pre-wired	6m SJOOW Cable included
	AEP-DCDC-0006	90W Solar Panel	Used in both 90W & 180W systems
	EBAM-1100-0000	110Ah Deep Cycle Battery	Used in both 90W & 180W systems

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