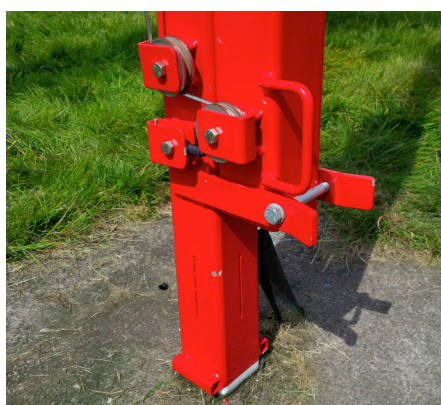




# M8536FL

## 8.5m Floodlit Windsock Mast



atg airports windsock mast is installed at many UK airports and a wide range of overseas countries from Oman to Singapore. The oldest masts are now approaching 20 years combining a reliable service with low maintenance. All our windsock masts and windsocks are manufactured in the UK.

### Design & CAA Approval:

When first designed and tested, lighting trial results, night photos and video were taken to the CAA where they were assessed satisfactory and confirmed they met CAP 168 Appendix 7D requirements. This tilt down design has withstood recorded 120mph wind.

The mast also complies with ICAO Annex 14, CAA CAP168, FAA AC 150-5345-27d (Type L807, Size 2, Style I-A) and MADS Chapter 6 & 7 requirements.

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M8536FL  
Floodlit Windsock  
Mast

# M8536FL 8.5m Floodlit Windsock Mast



## Mast

- ▶ All masts are fabricated from mild steel, then galvanised to BS 1729.
- ▶ Base Post 90mm x 6.3mm SHS
- ▶ Mast 90mm x 3.6mm / 80mm x 3.6mm / 70mm x 3.6mm SHS box section & 60mm RHS tube.
- ▶ The mast can be safely lowered and raised by one man using the auto-braked winch.
- ▶ The light arms can be rotated to service any of the lamps from the ground.
- ▶ A mast lock secures the mast in the upright position when raised.
- ▶ Frangibility in the event of a collision is achieved by a slot system near the mast base.
- ▶ The mast is powder coated over the galvanising in 7 x red & white bands as per ICAO Annex 14.

## Lighting System:

- ▶ Four wide beam LED floodlights give the correct illumination throughout 360 degree wind direction. Total power consumption (including standard 8W LED Obstruction Light) when illuminated is less than 130W.
- ▶ Illumination is fully compliant with CAP 168 Appendix 7D – 9 'Test Procedure for Illuminated Wind Sleeve', including 9.6 'Glare & Overall Performance'.
- ▶ The lamps are 50,000 hour life and weatherproof to IP65.
- ▶ They are mounted on arms above the windsock to spread the light evenly onto it irrespective of wind speed and direction, and point straight down to avoid pilot glare.
- ▶ As standard, a Single 100k hour LED Obstruction Light is mounted on top of the mast.

## Electrical Control System:

- ▶ A double switch is provided on the Base Post to allow control of the Obstruction Light and Floodlighting independently. The floodlighting is also controlled by a photocell mounted beside the switches.
- ▶ The Obstruction Light has an integral photocell, which can be disabled. We despatch these set for manual use as most users want this on 24/7, but this setting is easily altered.
- ▶ For ease of assembly, a junction box at the top of the mast distributes power to the floodlights and Obstruction Light. Two supply cable pass inside the mast to supply power to the junction box; one for Illumination, one for the Obstruction Light.
- ▶ Fasteners are supplied to secure the supply cable to the Base Post. The ground supply cable is not supplied as this varies from one location to another.

## Windsock & Swivel Frame:

- ▶ The standard windsock is 3.6m / 12ft long x 0.91m / 36" mouth diameter, in dayglow orange polyester for long life. A Red & White (or other combination) 5 banded windsock can be provided if required.
- ▶ The tail of the windsock has a unique design to prevent flutter, thus prolonging its life.
- ▶ No chains, wire or metal hoops are used in the windsocks to maximise responsiveness and minimise chafe.
- ▶ The Swivel Frame is specially designed in 316 stainless with zero maintenance bearings.

## Installation:

- ▶ Complete Instructions are provided to have the Airport Maintenance team install, or we can quote to install for you.
- ▶ A galvanised ground socket is supplied into which the Base Post slides, allowing relocation at a later date for minimal cost.



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