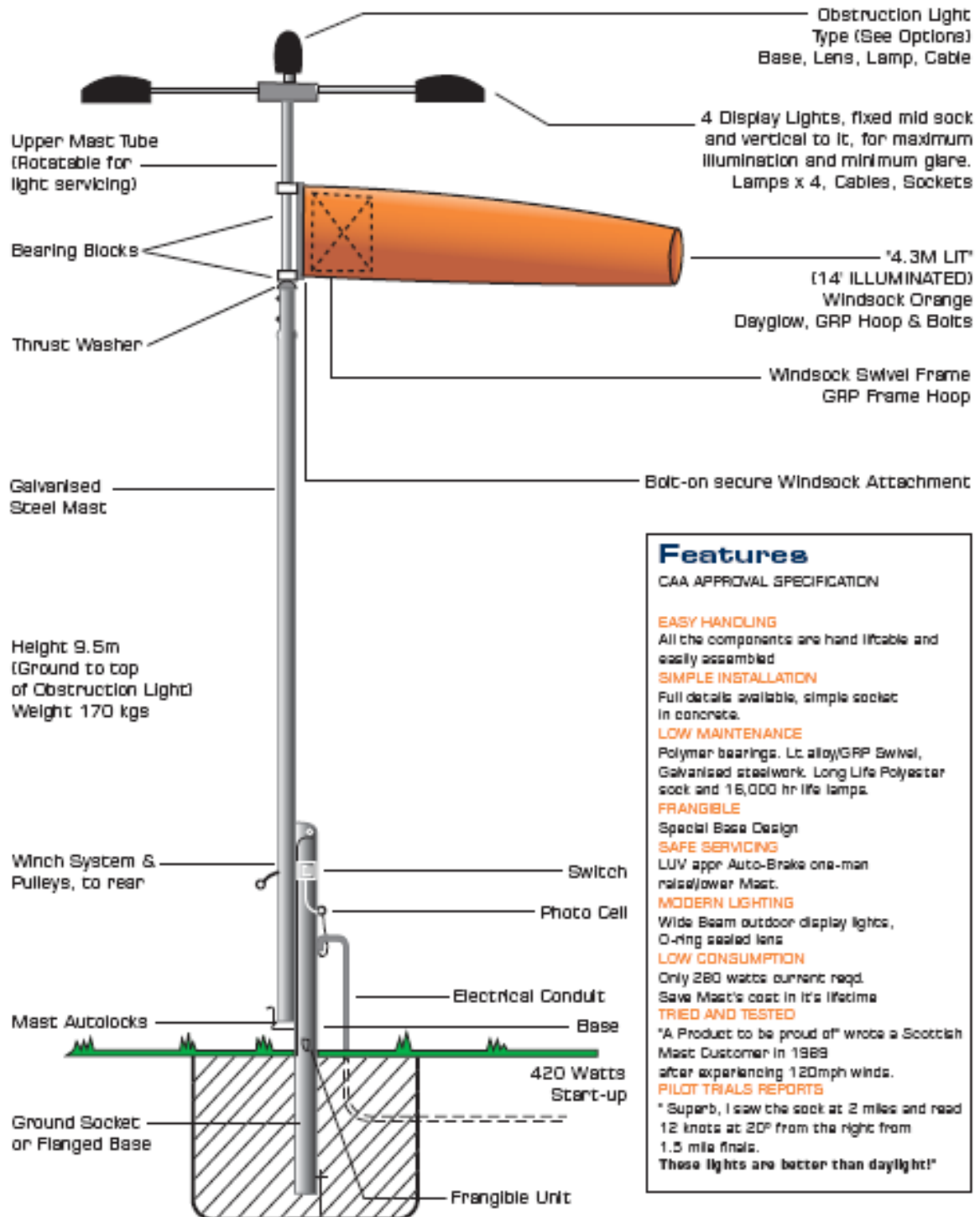


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M95FL 9.5 metre Floodlit Windsock Mast



Features

CAA APPROVAL SPECIFICATION

EASY HANDLING
 All the components are hand liftable and easily assembled

SIMPLE INSTALLATION
 Full details available, simple socket in concrete.

LOW MAINTENANCE
 Polymer bearings. Lt alloy/GFR Swivel, Galvanised steelwork. Long Life Polyester sock and 15,000 hr life lamps.

FRANGIBLE
 Special Base Design

SAFE SERVICING
 LUV app Auto-Brake one-man raise/lower Mast.

MODERN LIGHTING
 Wide Beam outdoor display lights, O-ring sealed lens

LOW CONSUMPTION
 Only 280 watts current reqd. Save Mast's cost in it's lifetime

TRIED AND TESTED
 "A Product to be proud of" wrote a Scottish Mast Customer in 1989 after experiencing 120mph winds.

PILOT TRIALS REPORTS
 "Superb, I saw the sock at 2 miles and read 12 knots at 20° from the right from 1.5 mile finals.
 These lights are better than daylight!"

Directors Tom McWilliam Aisling McWilliam B.A.
 VAT No. GB838 0430 36 Company No. 5121976



Bournemouth Airport



Glasgow SECC Heliport

McWilliam Technology have been supplying civil and military customers worldwide for 25 years and have flying experience to understand pilot's needs. Our Floodlit Windsock Mast is installed at over 25 airports around the UK, and we manufacture all our windsock masts and windsocks here in the UK. We are also ISO 9001:2000 certified.

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 factual 120mph wind.

Mast:

- The masts are fabricated in our premises from mild steel, then galvanised to BS 1729.
- 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 automatically secures the mast in the upright position once raised.
- Frangibility in the event of a collision is achieved by a slot system near the mast base.
- The mast is painted in red & white bands over the galvanising.

Lighting System:

- Four wide beam floodlights give 24,000 Lumens, twice that of GLS lamps and using less power. Total power consumption when illuminated is 335W.
- The lamps are extremely long life and weatherproof to IP65.
- They are mounted on long arms well above the windsock to spread the light evenly irrespective of wind speed and direction, and point straight down to avoid pilot glare.
- A Single Obstruction Light is mounted on top of the mast.

Electrical System:

- The lights are switched by an IP65 Isolator on the base post, fitted with a small neon light to help locate it in the dark.
- All of the lighting is automatically controlled by a photocell. The obstruction light can be left on at all times if required.
- All cabling up the mast is contained inside.
- We have supplied custom specified enclosures to contain current sense relay equipment, including a radio transmitter to link this equipment to a monitoring location.

Windsock & Swivel Frame:

- The standard windsock is 4.3m long, in dayglow orange polyester for long life.
- The tail of the windsock has a unique design to prevent flutter, thus prolonging it's life.
- No chains, wire or metal hoops are used in the windsocks to maximise responsiveness.
- The Swivel Frame is specially designed in light alloy 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.
- Individual components are designed to be easily handled, assembling with basic tools and no requirement for lifting gear.

Options:

- Twin Auto-Switching Obstruction Light
- Base Post fitted with flat base to bolt down. Adds weight and size for shipping.
- Monitoring and Alarm equipment to signal lamp failure to command centre, previously specified by and fitted to two masts installed at London Gatwick Airport. This system was specified by the client, and assembled, supplied and installed by us on site. For similar systems at other locations we would need to communicate with the client to ensure a compatible or approved system for their location.



Antenna at top of mast



Control Box on Base Post

Please contact us directly if there is any further information we can provide, contact details at the head of this document.

Tom McWilliam
Director