

# FR-03 Illuminated Wind Direction Indicator

CASA compliant Illuminated (IWDI) and Non-Illuminated Wind Direction Indicators for aerodromes



DATA SHEET

<b>PRODUCT</b> FR-03 IWDI	<b>APPLICATION</b> Aerodromes & Helipads	<b>COMPLIANCE</b> CASA MOS 139	<b>ILLUMINATION</b> High Powered LEDs
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## Overview

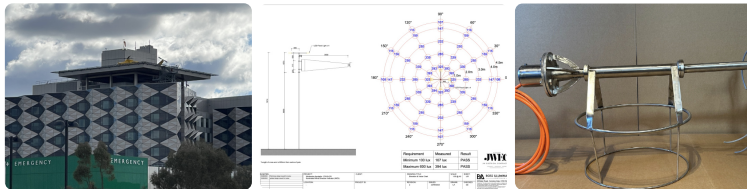
The FR-03 Illuminated Wind Direction Indicator (IWDI) is CASA compliant to MOS 139 for both illuminated and non-illuminated Wind Direction Indicators. Custom designed and developed in Australia, the IWDI features a new generation full Stainless Steel top section with sealed bearings and high-powered LED illumination.

## Key Features

- CASA compliant to MOS 139 for aerodrome operations
- Full Stainless Steel top section with sealed SS bearings
- High-powered LED illumination plus obstruction beacon
- 900mm dual frame accommodates CASA aviation grade Windsock (3650x900x225mm)
- 6m extra heavy duty mid-hinged counter weighted galvanised pole
- Engineered footings for all Wind Regions up to Region D (Cyclonic)
- All components manufactured in Australia

## Illumination Specifications

- LED Lights: 4x 50W 240V Castle IIIXS Flood Luminaire for CASA MOS 139 (9.38)
- Beacon: Dialight Vigilant LED L-810 steady burning obstruction beacon
- Ensures at least 100 lux across entire Windsock length and 360-degree circumference
- Pre-wired for final installation at site (licensed electrician required)
- Electrical compliance certificate to Australian Standards



## Product at a Glance

- CASA**  
MOS 139 compliant
- 900mm**  
Frame diameter
- 6m**  
Pole height
- Region D**  
Wind rated

## IWDI Technical Details

- Frame: 900mm diameter dual Stainless Steel
- Cross Arms: Approximately 1200mm (for LED installation)
- Materials: 304 SS frame, 316 SS sealed bearings
- Weight: Approximately 14kg frame (35kg complete with illumination)
- Overall Height: Approximately 1570mm from base
- Max Wind Rating: 148 km/hr (Wind Region A, Cat 1.5)
- Warranty: 5 years, design life greater than 10 years

## Pole Specifications

- MH6BHH Extra Heavy Duty Mid Hinging Pole
- Height: Typically 6m (up to 10m available)
- Weight: Approximately 200kg (without footings)
- Material: Hot Dipped Galvanised Steel
- Counter weighted for safe lowering by 1-2 people

## Why Windsocks Australia?

- Australian Made & Owned - specialist Manufacturer since 2003
- Full Engineering support, Certification & Compliance documentation
- Dedicated product range for Mining, Construction & Remote sites
- Responsive technical support & national logistics capability
- Proven track record with Tier 1 operators across all major industries

## About Windsocks Australia

Australia's leading manufacturer of industrial Windsock systems. Designed, engineered and assembled in Australia for the harshest environments - from offshore platforms to remote mining and LNG facilities.

[windsocksaustralia.com.au](http://windsocksaustralia.com.au) | [info@windsocksaustralia.com.au](mailto:info@windsocksaustralia.com.au) | +61 468 474 656