

"HI-VIS" LED

| | |
|------------------------|----------------|
| Runway Edge | (white light) |
| Threshold/End | (red/green) |
| Outer Threshold | (green light) |
| Holding Point | (yellow light) |
| Taxiway/Apron | (blue light) |

Exceeds requirements of CASA MOS Part 139 (Chapt 9.1.10 Portable Lighting)
 Compatible with Pilot Activated Lighting (PAL) control systems
 Long-life Light Emitting Diode (LED) technology



Made in Australia

WSS SUPERLUX LIGHTING IS MADE FOR AIRFIELD OPERATORS WHOSE CRITICAL REQUIREMENTS ARE QUICK DEPLOYMENT, HIGH LIGHT OUTPUT, FRESNEL LENS AND LONG-TERM RELIABILITY.

Application

The HI-VIS LED Airfield Light provides remote or low use aerodromes with a reliable and hard wire runway lighting system. Using the latest "superflux" LED technology, our lights clearly define the runway to assist pilots during approach, departure and circling.

Photometric

- > Colour temperature: 5500°K white
- > Rated life at 700mA, 25°C = 100,000hr
- > Moulded polycarbonate lens UV-stabilised
- > Light Pattern: Omni-directional (optimised approx 5° above horizontal)
- > Peak Luminous Intensity >70cd
- > Lumen Maintenance Figure specified as 70% at 50,000 hours.

Frangibility

When correctly attached to the ground surface, WSS HI-VIS LED Airfield Lights will comply with the requirements of MOS Part 139 - 9.1.12 and ICAO Aerodrome Design Manual Part 4 (Visual Aids Chapter 15). Frangibility is achieved as a result of the light materials used in the construction of the unit.

(Refer to Frangibility Statement for full details and notes)

Physical

- > Diameter 130mm
- > Height 240mm (base to lens top)
- > Weight 700g
- > Attachment Recycled plastic post

Features

- > Superbright Luxeon® LED+ technology built into elevated runway and taxiway light housing
- > Low series current can utilise low cost wiring
- > UV stabilised, rigid plastic construction
- > Reflective body (matches with LED colour) for high conspicuity under all lighting conditions
- > Compatible with solar powered DC-AC inverter
- > Simple in-field maintenance and/or upgrading

Electrical

- > Hard wire series cable connection
- > Low supply voltage suitable for direct buried cable
- > Series AC current less than 1A
- > Less than 4W power dissipation per light
- > In-built line bridging to ensure supply continuity
- > Simple AC transformer supply and line regulator
- > Transient suppression built into each light

Configuration

- > Longitudinal spacing, typically 90m
- > Lateral spacing, 3m beyond runway edge
- > Threshold/End lights require 4 (min) at each end
- > Outer Threshold in line with runway edge lights

Ordering

HIVIS - □□

LOCATION (LED COLOUR)

- EM** - RUNWAY EDGE MARKER (CLEAR)
- TE** - THRESHOLD / END (RED/GREEN)
- OT** - OUTER THRESHOLD (GREEN)
- HP** - HOLDING POINT (YELLOW)
- TX** - TAXIWAY / APRON (BLUE)

