



CONVERGENCE ENGINEERING

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RUNWAY LIGHTING BUILT TOUGH FOR AUSTRALIAN CONDITIONS



ELEVATED RUNWAY EDGE LIGHT (REL)

For marking of runway edges in accordance with CASA MOS 139 for non precision runways for night operations

Product features:

- Designed and manufactured in Australia to CASA MOS 139 compliance standards
- Cast aluminium body ensures good heat sink characteristics and the longest life under the harshest Australian conditions
- LED module includes a large machined aluminium heat sink to ensure good heat transfer to the body
- Corrosion protection is by powder coating and alodine protection of aluminium surfaces
- Fully sealed case and optical compartment ensures no ingress of insects or dirt or water, reducing maintenance requirements
- Levelling is simple and convenient with the unique ball and socket system integrated into the design
- Cast aluminium base/coupling is engineered to be frangible to be CASA MOS / ICAO compliant
- Smooth clear polycarbonate lenses with integral bird spike are self cleaning to reduce maintenance requirements. (Glass lenses are optional)
- Fitting can include an interface transformer that allows easy retrofitting with existing systems employing 6.6A sits
- New installations can be supplied separately from an efficient high quality EFLA FAA compliant series isolating transformer at low secondary currents of less than 0.5A ensuring efficient operation and low system voltages where the lights are installed a significant distance from the isolating transformer/sit pit

IN THE FIELD...



LIGHTS / OPTICS

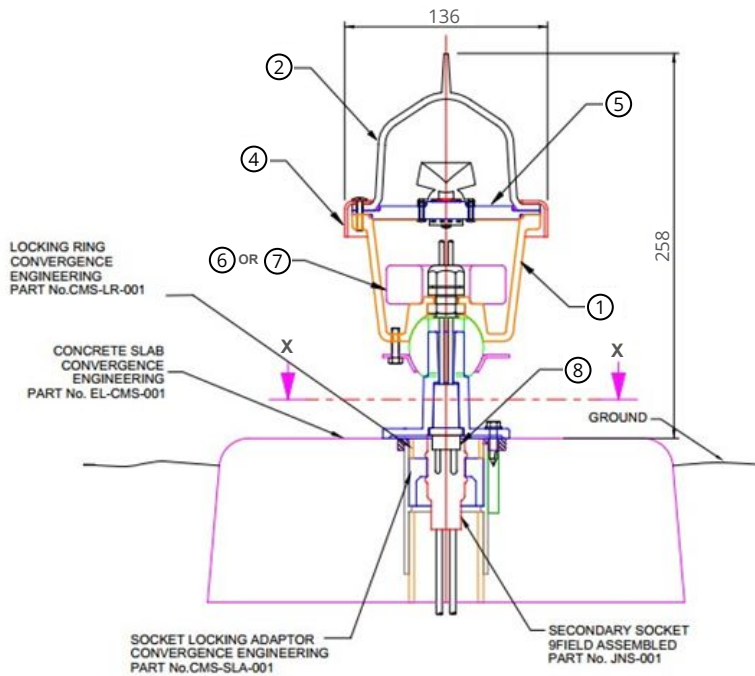
- White LED module has a Cree Cob LED and an optical lens system specifically designed to optimise the beam to CASA MOS 139 requirements

MOUNTING OPTIONS

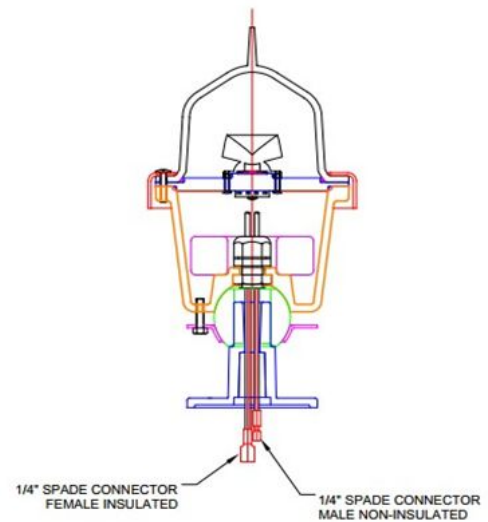
- Can be mounted on a precast concrete slab designed to retain the plug and socket arrangement so that it separates without sparking when the frangible coupling separates from the body under impact as is required for compliance with CASA MOS frangibility standards
- Spade connector option also available for retrofitting purposes



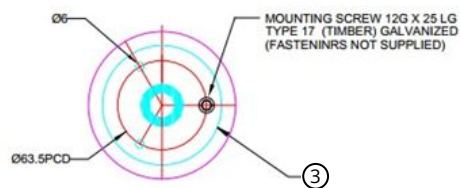
DRAWINGS



CONCRETE SLAB MOUNTED OPTION



SPADE CONNECTOR OPTION



SECTIONAL PLAN X-X

- ① BODY
- ② CLEAR LENS
- ③ BREAKABLE COUPLING
- ④ RETAINING RING

- ⑤ LED MODULE WHITE
- ⑥ INTERFACE TRANSFORMER LOW INTENSITY
- ⑦ INTERFACE TRANSFORMER MEDIUM INTENSITY
- ⑧ SECONDARY PLG EFLA KDC 506S.1.3 (OPTIONAL)



BEAM CHARACTERISTICS

LOW INTENSITY ELEVATED OMNI WHITE LIGHT BEAM CHARACTERISTICS

