



ELEVATED TAXIWAY EDGE LIGHTS (TWEL) & HOLD LIGHTS (TWHP)

For marking of taxiway, apron and runway turn pad edges 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
- Blue Taxiway or Yellow Hold Point LED modules include a large machined aluminium heat sink to ensure good heat transfer to the body.
- High Efficiency lights use less than 1.0W power
- Corrosion protection is by powder coating and alodyne protection of aluminium surfaces
- Fully sealed case and optical compartment ensures no ingress of insects or dirt or water, reducing maintenance requirements
- Unique ball and socket system makes levelling simple and convenient
- Cast aluminium base/coupling is engineered to be frangible to be CASA MOS / ICAO compliant
- Smooth clear polycarbonate lenses with integral bird spike are used on all light types and are self cleaning to reduce maintenance requirements. (Glass lenses optional)
- Fitting can include an interface transformer that allows 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 low system voltages where lights are installed significant distances from the isolating transformer/sit pit

BEAM CHARACTERISTICS

Blue elevated Taxiway edge light

Requirement (MOS 139 Clause 9.93)	Result
The light must show blue and Omnidirectional	PASS
The light must be visible at all angles in azimuth necessary to provide guidance to the pilot of an aircraft on the taxiway	PASS
The peak intensity of the blue edge light must not be less than 5cd	PASS

Yellow elevated intermediate holding position light

Requirement	Result
The light must show yellow and Omnidirectional	PASS
Have a light distribution as close as possible to that of the taxiway edge lights	PASS

LIGHTS / OPTICS

- Blue and Yellow LED modules use Luxeon Rebel LEDs and an optical lens system specifically designed to optimise the beam to CASA MOS 139 requirements
- No colour filters are used ensuring the highest possible efficiency and lowest system voltage is achieved.

MOUNTING OPTIONS

- Can be mounted on a precast concrete slab designed to retain the plug and socket arrangement so that is 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



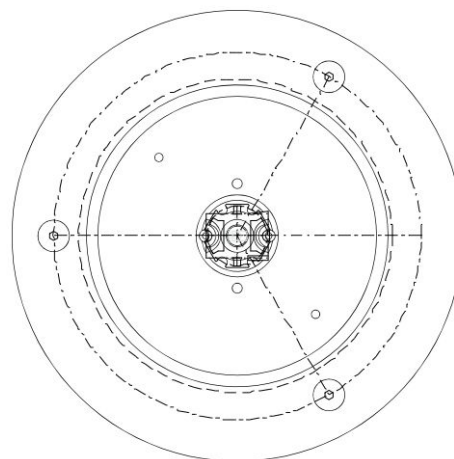
CONVERGENCE ENGINEERING

CONVERGENCE ENGINEERING

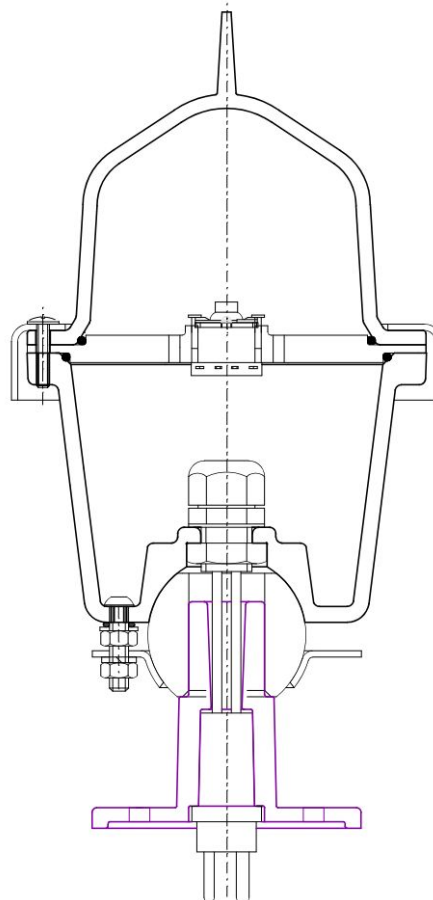
RUNWAY LIGHTING BUILT TOUGH FOR AUSTRALIAN CONDITIONS



DRAWINGS



PLAN



SECTION



CONVERGENCE ENGINEERING

CONVERGENCE ENGINEERING

RUNWAY LIGHTING BUILT TOUGH FOR AUSTRALIAN CONDITIONS



IN THE FIELD

