




RTIL

Runway Threshold Identification Light



Compliance to standards	ICAO: Annex 14, Volume I - Aerodrome Design and Operations	
Application	Runway Threshold Identification Light	
Features	Designed and built with simplicity and ease of maintenance in mind. High power LED technology. Lightweight, low-energy and environment friendly lighting fitting. Extensive use of aluminium alloys reduces fitting weight and eases handling in the field.	
Product Code	AL - 080 - 24 - WH Series Indicator (Airfield Lighting) Product Indicator LEDs Number (24 LEDs) LEDs Light Colour (cool white)	AL 080 24 WH

<p>Description</p>	<div>  <p> Housing - Powder coated aluminium RAL 1004 (aviation yellow) Fastening system powder - coated aluminium, RAL 1004 (aviation yellow) Anti glare visor powder - coated aluminium, RAL 9005 (gloss black) Dispenser - clear polycarbonate Cable gland - nickel plated brass Fasteners - stainless steel </p> <p>Runway threshold identification lights shall be located symmetrically about the runway centre line, in line with the threshold and approximately 10 m outside each line of runway edge lights.</p> <p>RTIL is equipped with a three wire remote control for light brightness level adjustment (100% 10% 3%) and ON / OFF function, according to figure A2-1-White, ICAO Annex 14/2016.</p> </div>
<p>Environment</p>	<p> Temperature range: - 40° to +55° Degree of protection: IP 65 Humidity 0 - 100% Wind speed up to 480 km/h </p>
<p>Mounting</p>	<div> <div> <p>Frangible Coupling</p>  </div> <div> <p>Low Profile Frangible Bracket</p>  </div> </div>

Mechanical Characteristics

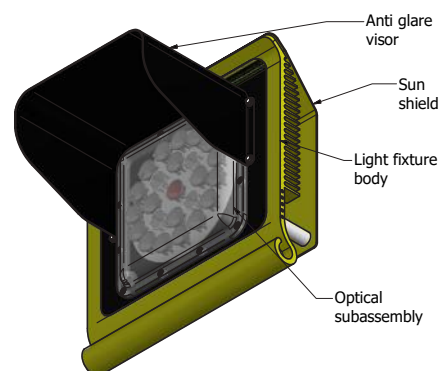
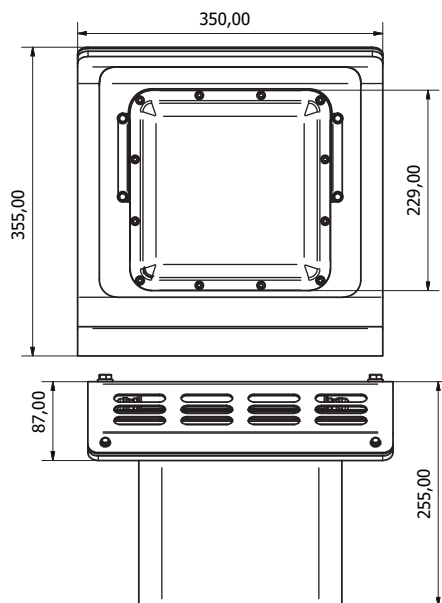
Dimensions: 350 x 400 x 255 mm
Weight: 11 kg

Packaging:

The runway threshold identification lights 2 pcs. set is supplied in a ISPM 15 - compliant wooden crate.

Crate dimensions: 980mm x 400mm x 300mm.

Total weight: 36Kg.



Power consumption 20W

Power supply 110/230VAC from mains AC parallel lighting circuit

Electrical Installation

The runway threshold identification lights are supplied with 110/230V AC powered controller, mounted on one of the RTIL. Please ensure that you connect the equipment to the correct supply.

Electrical Characteristics

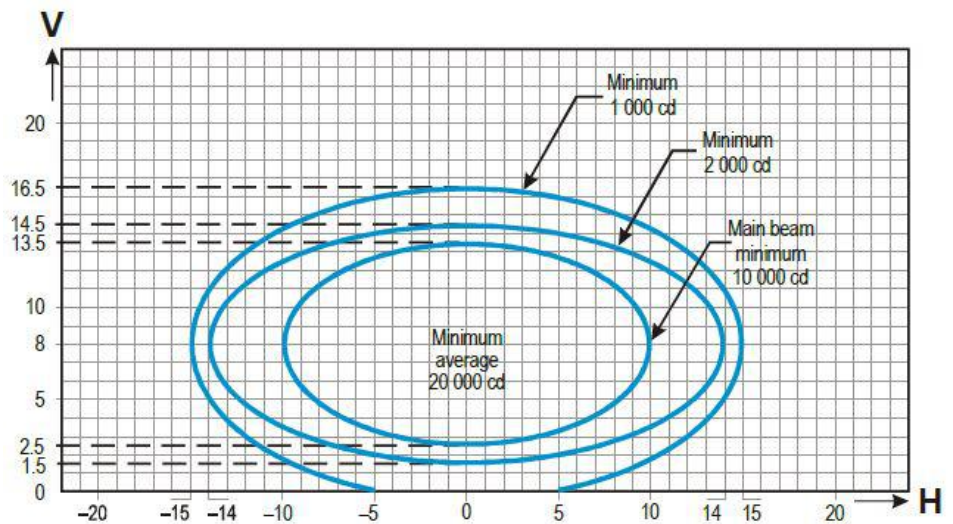
Connecting to a 110/230V AC supply:

The 110/230V AC LED high intensity runway threshold identification lights controller is supplied with a 3-core (3 x 1.0mm²) 1m flying lead. The overall diameter of the cable is nominally 7.5mm.

Connect the free ends of the cable to the proper voltage source. There is a connecting cable between the two light fixtures and controller so they flash synchronized.

Photometric Characteristics

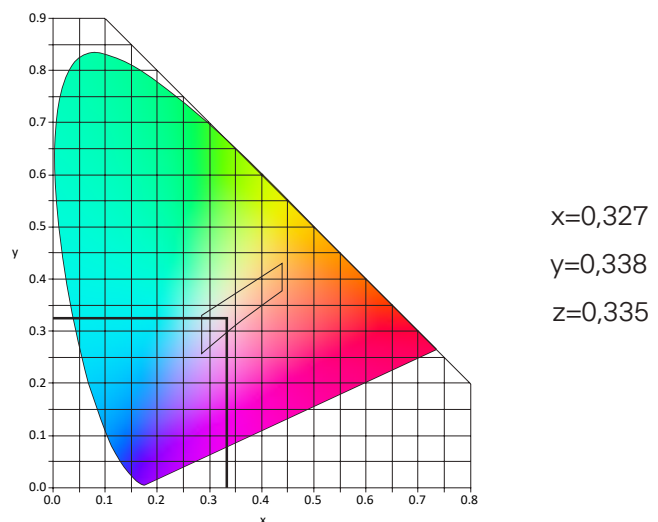
Runway threshold identification lights is flashing white lights with a flash frequency between 60 and 120 per minute.



The brightness intensity values complies with:

ICAO requirements Annex 14 Vol.1 Figure A2-10

The light colour emitted by the light fixture is white, with the trichromatic coordinates:



The measured trichromatic coordinates correspond to colour range requirements in:

ICAO Annex 14 - Aerodromes Vol.1, fig. A1-1-1b.

Colours for aeronautical ground lights (solid state lighting)



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