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) **AL** Product Indicator **080** LEDs Number (24 LEDs) **24** LEDs Light Colour (cool white) **WH**

Description	**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 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. 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.
Environment	**Temperature range:** – 40° to +55° **Degree of protection:** IP 65 **Humidity** 0 – 100% **Wind speed** up to 480 km/h
Mounting	Frangible Coupling Low Profile Frangible Bracket

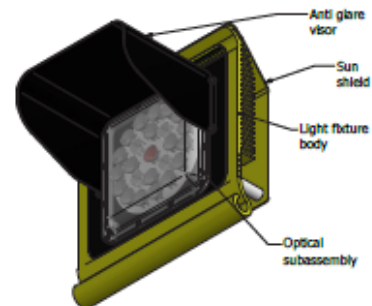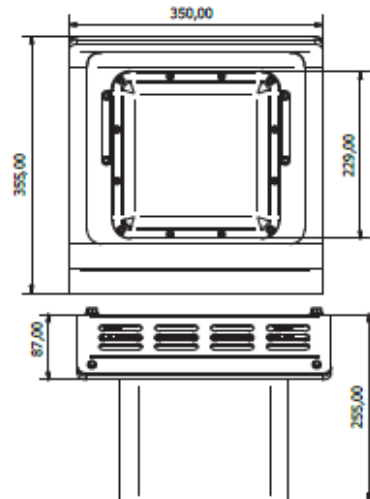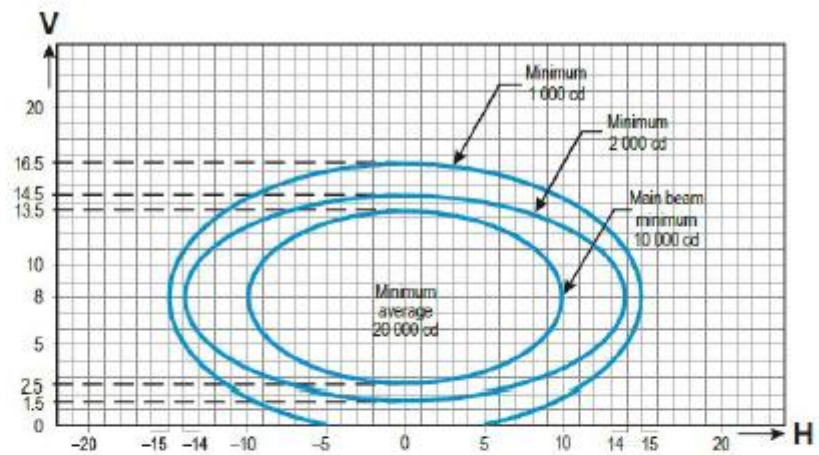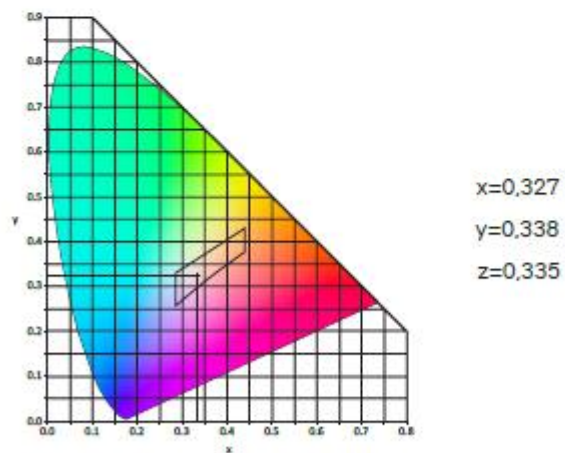|	
Mechanical Characteristics	**Dimensions:** 350 x 400 x 255 mm **Weight:** 11 kg Packaging: The runway threshold identification lights 2 pcs. set is supplied in a ISPM 15 - copliant wooden crate. **Crate dimensions:** 980mm x 400mm x 300mm. **Total weight:** 36Kg.
Electrical Characteristics	**Power consumption** 20W **Power supply** 110/230VAC from mains AC parallel lighting circuit **Electrical Instalation** The runway threshold identification lights are supplied with 110/230V AC pow-ered controller, mounted on one of the RTIL. Please ensure that you connect the equipment to the correct supply. **Connecting to a 110/230V AC supply:** The 110/230V AC LED high intensity runway threshold identification lights con-troller is supplied with a 3-core (3 x 1.0mm2) 1m flying lead. The overall diame-ter 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.

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:

x=0,327
y=0,338
z=0,335

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)

Photometric Characteristics