

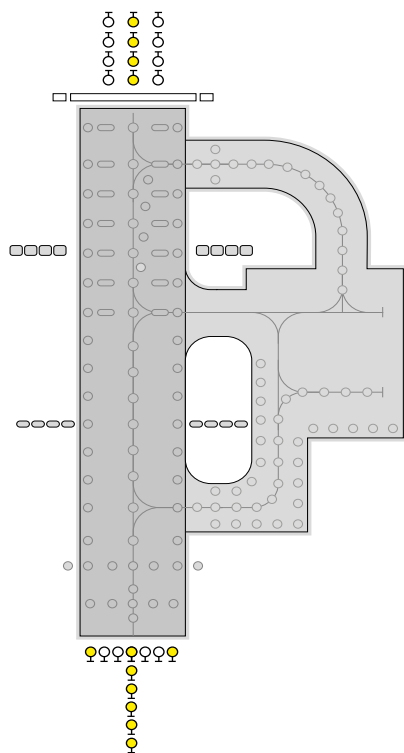
LED Technology



IR489

REIL / RTIL / ALSF

Runway End Identification
Lights



Features

- ▶ A simple electronic system is used to adjust the flashing sequence.
 - ▶ Simultaneous or sequenced firing
 - ▶ Thanks to simple wiring flashing sequence of the full system can be controlled with a single 2-core cable.
 - ▶ Lights can be mounted on Aluminum columns with an outer diameter of 60mm.
 - ▶ The light has an assembly for angle adjustment
 - ▶ The light has a trigger transformer and a terminal block for incoming cables
- The lamp has a minimum life of 50,000 hours

Related standards

- ICAO Annex 14 Vol 1 Para 5.3.8
- FAA 150/5345-51 E-849
- NATO STANAG 3316

Application

- ▶ High intensity precision approaches
- ▶ Identifying extension of runway centerline, sequenced flashing and in identifying runway threshold, simultaneous flashing suitable for use in category I, II and III all weather operation airfield lighting systems.

IR489

Features of the control cabinets

- ▶ A simple electronic system is used to adjust the flashing sequence.
- ▶ Control cards are placed in socket thus plugged and removed easily.
- ▶ Each light is coded in the cabinet according to its location or sequence.
- ▶ Simultaneous or sequenced flashing.
- ▶ The flashing frequency in sequence may be changed as once or twice per second by a printed
- ▶ Circuit board in the control panel depending the remote control signal input.
- ▶ Thanks to simple wiring flashing sequence of the full system can be controlled with a single 2-
- ▶ Core cable.
- ▶ Elevated lights designed as compact and their LED modules are mounted on the control cabinet.
- ▶ System is produced as working 110-230V/ 50Hz or 115-230V/60Hz according to customer needs.
- ▶ Inset type lights are mounted separately with the control cabinets. They connected to the
- ▶ Cabinet using 2x1,5mm² cable. Distance can be up to 50m.
- ▶ Inset type lights are waterproof and provides IP68 (Ingress Protection Rate).
- ▶ The LED's have a minimum life of 50.000 hours
- ▶ Thanks to safety switch, power supply is cut off automatically when the cover is opened.
- ▶ As optional, thermo regulated heating is done against condensation.
- ▶ Lights can be mounted on Aluminium columns with an outer diameter of 60mm.
- ▶ Cabinets are made of Aluminium. The colour is aviation yellow. The aluminium body and its
- ▶ Parts are chromated and electrostatic powder coated. Hardware, screws, washers and bolts are made of stainless steel.
- ▶ The cover is hinged and have special locks. It is designed to keep water or any other material out.
- ▶ Silicone rubber gasket is used to provide water tightness
- ▶ With the control cabinet mounting column, base plate and all other mounting equipment are delivered
- ▶ Cabinets operate between -30°C and +60°C.
- ▶ Cabinets can resist winds as fast as 160km/hour.

Photometric Performance

1. Brightness Level: 300 Cd (effective), 150 Cd (average)
 2. Brightness Level: 1500 Cd (effective), 800 Cd (average)
 3. Brightness Level: 15000 Cd (effective), 8000 Cd (average)
- Values are provided in area axis ±15*

Optional Features

- ▶ Remote Control Interface with Ethernet Modbus/TCP
- ▶ Single lamp failure warning
- ▶ Build-in Over Voltage and Lighting protection
- ▶ Aiming Device - fixture have angle adjustment self.

Environmental Conditions

- ▶ Ambient Temperature
-30 °C to +60°C (-22 °F to +140°F)
- ▶ Storage Temperature
-30 °C to +60°C (-22 °F to +140°F)

Materials and Finish

Lamp body and other parts have electrostatic powder coating. The color is aviation yellow. Hardware, screws, washers and bolts are made of stainless steel



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