TESİSAT ve ENDÜSTRİYEL CİHAZLAR
SANAYİ ve TİCARET ANONİM ŞİRKETİ

REIL / RTIL / ALSF
RUNWAY END IDENTIFIER LIGHTS
(Runway Threshold Identification Light)

RELATED STANDARDS
FAA AC 150/5345-51 E-849
ICAO Annex 14 Vol. I Para. 5.3.8
STANAG 3316

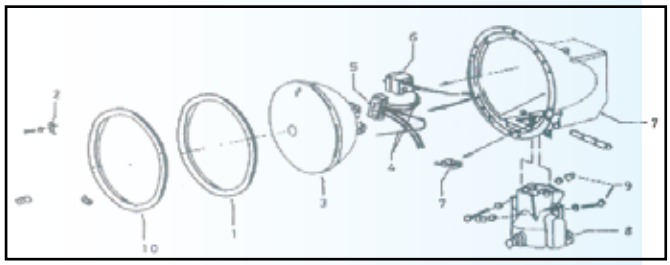
APPLICATIONS
- In high intensity precision approaches
- In identifying extension of runway centerline, sequenced flashing and in identifying runway threshold, simultaneous flashing

IMPORTANT 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 Aluminium columns with an outer diameter of 60mm.
- The light has an assembly for angle adjustment
- Silicone rubber gasket is used to provide watertightness
- Safety switch cuts off the power of control cabinet when light needs to be re-lamped.
- The light has a trigger transformer and a terminal block for incoming cables
- The lamp has a minimum life of 500 hours

IMPORTANT FEATURES OF CONTROL CABINETS
- Each light is coded in the cabinet according to its location or sequence, lights can be placed up to 50m away from the cabinets. Thermo regulated heating is done in the cabinets to prevent condensation. Input voltage adjustable from 200 to 250V ensures proper light output.
- A control cabinet contains; a monophase transformer, rectifier, power capacior, printed circuit board for triggering, contactor, terminal block for energy supply cable and connection cables to the lighths.
- Cabinets are made of fiber polyester. The cover is hinged, outlets for air circulation are designed to keep water or any other material out.
- Cabinets have special locks.
- Power supply is cut off and the capacitors are discharged automatically when the cover is opened.
- Thermo regulated heating is done against condensation.
- Has a roof structure to protect from sunlight.
- With the control cabinet breakable couplings, mounting column, clamps and all other mounting equipment are delivered
- Cabinets operate between -30°C and +60°C.
- Cabinets can resist winds as fast as 160km/hour.
- Control cards are placed in socket thus plugged and removed easily.
- Main control cabinet has the same features as the control cabinets. It also has a printed circuit board that can be adjuster to flash the system in sequence once or twice per second.

PHOTOMETRIC PERFORMANCE
- Lamp used : PAR 56 type FT34HP lamp
- Energy per flash : 60 Joule
- Peak intensity : $25x10^6$ Cd
- Effective peak intensity: 14.000 Cd
- Flash duration at half the effective intensity : 120 microseconds
- Effective Intensity at ±15° horizontal and vertical beam spreads : 8000 Cd

CONSTRUCTION OF LIGHT FIXTURES



1. Silicone rubber gasket
2. Lamp clamps
3. PAR 56 lamp FT34HP
4. Internal wiring
5. Terminal block
6. Trigger transformer
7. Die-cast aluminium body with safety switch
8. Aluminium cast lower body
9. Adjustment screws
10. Window ring

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

WEIGHT
- Control cabinets weight 14kg.