

Application

- precision approach path indicator system units (lights) for airports and heliports PAPI/APAPI

Classification

- FAA AC 150/5345-28: Style B, Class II

Accordance with

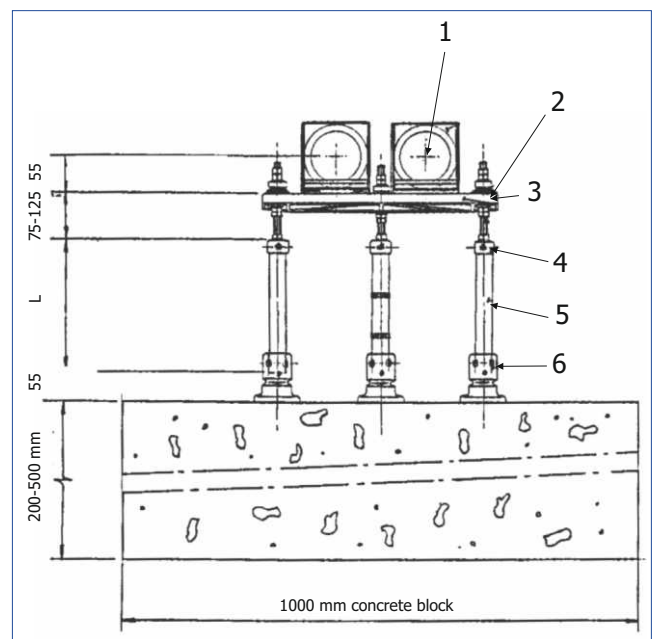
- ICAO Annex 14, Vol. 1, App. 1, 2.1.1 (Figure A1-1a)
- ICAO Annex 14, Vol. 1, App. 2, Figure A2-23
- EASA CS ADR-DSN.U.930, Figure U-1
- EASA CS ADR-DSN.U.940, Figure U-26

Description/properties

- light consists of two or optionally three projector units
- easy maintenance thanks to removable projector units
- dichroic filters with high transmissivity and heat resistance
- replacing the bulb and the filter does not require adjustment or special tools
- projector unit cover made of aluminum alloy and painted (yellow)
- body of the projector unit made of aluminum alloy and anodised (black)
- the base plate (for projector units) made of an anodized aluminum casting (black)
- elements for adjusting the horizontal and vertical direction of the light are made of aluminum, stainless steel and UV-stable plastic parts
- fixed mounting on a concrete foundation using three stakes/tubes and breakable couplings
- optional additional kit for mobile use

Mechanical parameters

- unit weight ~13 kg
- dimensions of sets (fixed assembly)
 - two projector units 56×65×75 cm
 - three projector units 56×65×90 cm

**Construction**

1. projector unit TP-90.PU
2. elements of the vertical direction of the radiation (continuously 0° to +10°)
3. base plate
4. elements of the horizontal direction of the radiation (continuously ±1°)
5. stakes/tubes
6. breakable couplings

chapter:

5.5.1

TP90



Resistance to

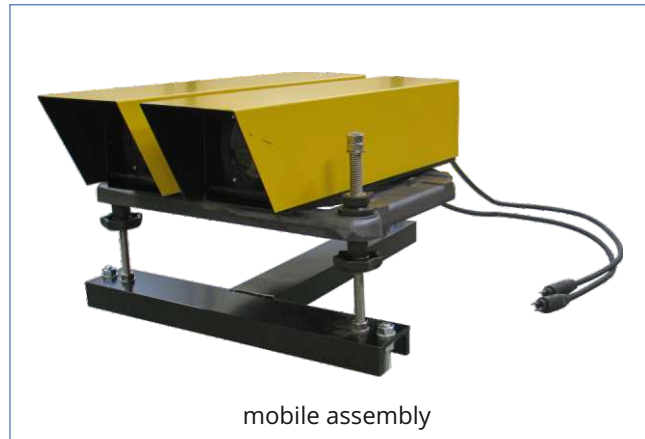
- temperature $-55 \div +55$ °C and thermal shock
- humidity, snow and water / IP44
- salt fog, solar and UV radiation
- wind resistance up to 480 km/h

Source of light

- halogen airport lamp Pk30d 6,6 A
 - 200 W PAPI
 - 100 W APAPI

Power source

- isolating transformer with 6,6 A on secondary output (transformer power according to the used lamps)



mobile assembly

Electrical parameters

- lights
 - PAPI 2×200 W / 3×200 W
 - APAPI 2×100 W / 3×100 W
- bars
 - PAPI 4×2×200 W / 4×3×200 W
 - APAPI 2×2×100 W / 2×3×100 W

SKU

- version with two units, fixed assembly
 - TP90-PAPI 913-810
 - TP90-APAPI 913-810.APAPI
- version with three units, fixed assembly (not certified in the Russian Federation)
 - TP90.3-PAPI 913-830
 - TP90.3-APAPI 913-830.APAPI
- accessories
 - inclinometer TP90.CM 913-814