

### ➔ Application

- FPAG - flight path alignment guidance lighting
- SMG - aircraft stand manoeuvring guidance light
- TLOF - touchdown and lift-off area light

### ➔ Classification

- FAA AC 150/5345-46: Class 2, Mode 1, Style 3
- IEC TS 61827: Style 4

### ➔ Accordance with

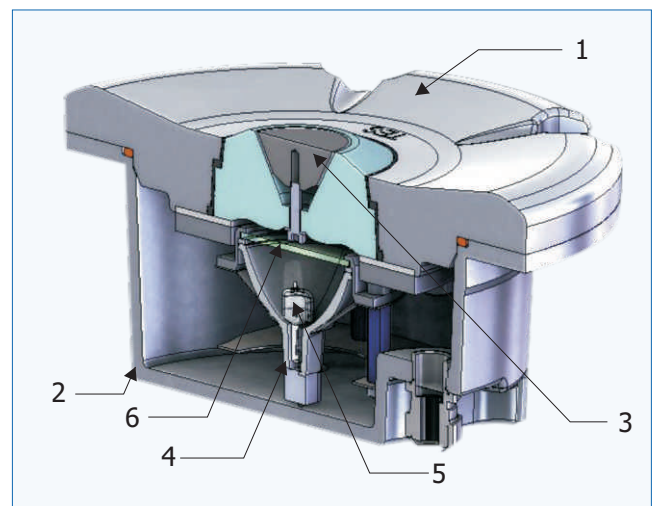
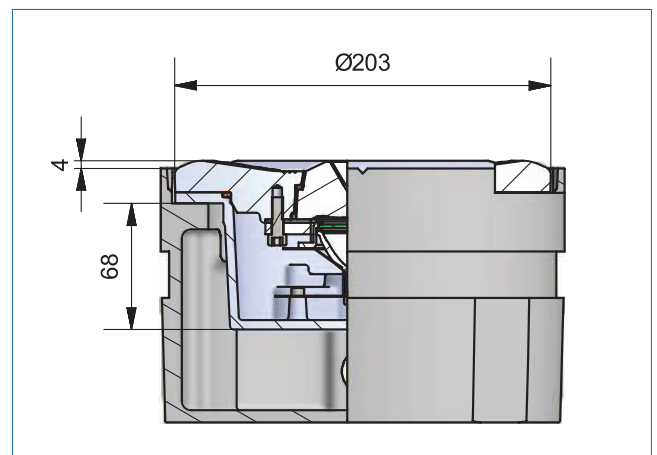
- ICAO Annex 14, Vol. 2  
Figure 5-11, Illustration 6
- IEC 61827
- АП-170, Том II

### ➔ Properties

- extremely low protrusion: 4 mm
- raised edges for increased prism protection
- small size: diameter 203 mm (8")
- installation depth in base: 68 mm
- optimized optical parameters for low energy consumption
- simple and durable aluminum design
- long-term optical stability due to the usage of cold mirror reflector lamps
- non-glued easily replaceable prisms
- effective maintenance due to many common parts with TI42 and TI43
- easy transport and handling due to small size and weight
- available with two or four fixing holes
- can be manufactured with stainless steel top part if extreme durability is needed
- can be manufactured to mate with shallow bases with axial sealing

### ➔ Mechanical parameters

- weight (cardboard box)
  - standard ~3,0 kg
  - stainless steel ~5,7 kg
- dimensions (cardboard box) 220×220×115 mm



### ➔ Construction

1. aluminium body - top part
2. aluminium body - bottom part
3. prism with gasket (sealing)
4. lamp holder
5. cold mirror reflector lamp
6. dichroic filter

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## 5.2.4

## TI43



#### → Resistance to

- temperature  $-55 \div +55$  °C and thermal shock
- humidity, snow, ice and water, watertight IP68
- salt fog, solar and UV radiation
- static and shear load, recurrent mechanical and hydraulic impact according to the IEC TS 61827
- vibrations  $20 \div 2\,000$  Hz with acceleration 10/15 G

#### → Light source

- standard 50 mm diameter airfield cold mirror reflector halogen 6,6 A lamp

#### → Power source

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

### Ordering code

#### light fixture function

FPAG - flight path alignment guidance lighting  
 SMG - aircraft stand manoeuvring guidance light  
 TLOF - touchdown and lift-off area light

#### color

G - green | Y - yellow  
 \* SMG - color outside ICAO specifications, if requested

#### lamp power

30 - FPAG  
 48 - TLOF  
 62 - SMG

#### other specifications

\* code for „other specification“ must be written in alphabetical order  
 A - shallow bases with axial sealing  
 H - 4 fixing holes  
 SPC - on-demand specification  
 X - stainless steel top part

TI430-SMG -Y -62  
 TI430-TLOF-G -48      -AHX

#### Note:

- spaces in examples above used for clarity only
- optional parameters used only if necessary
- lamp power is mandatory part of ordering code except SMG lights

#### Ordering code examples:

**TI430-SMG-Y**

omnidirectional aircraft stand manoeuvring guidance light, yellow

**TI430-TLOF-G-AHX**

omnidirectional final approach and take-off light, green, 4 fixing holes, stainless steel top part, shallow bases with axial sealing



# TI43

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## ➔ Certified types according to UCL CR (airports)

TI430-SMG-Y-62  
TI430-SMG-R-62

TI430-SMG-YX-62  
TI430-SMG-RX-62

## ➔ Certified types according to UCL CR (heliports)

TI430-FPAG-W-30  
TI430-TLOF-G-48

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**5.2.4****TI43**

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