

### Application

- SBL - stop bar and no-entry bar light (curved section)
- TCL - taxiway centre line light (curved section)

### Classification

- FAA AC 150/5345-46: Class 2, Mode 1\*, Style 3
- IEC TS 61827: Style 3
- \* does not apply to 20 W/2,2 A bulbs

### Accordance with

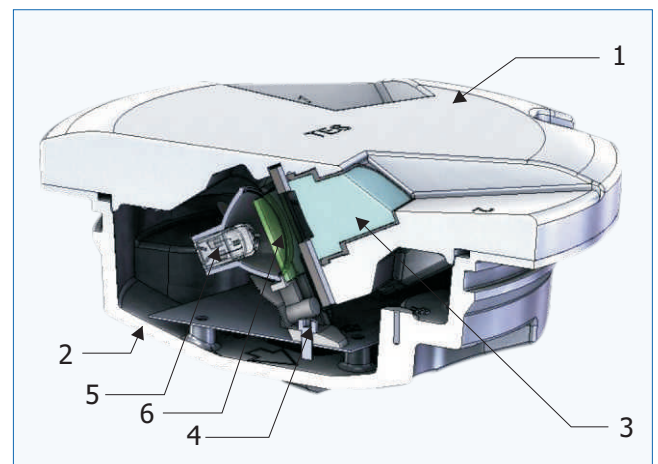
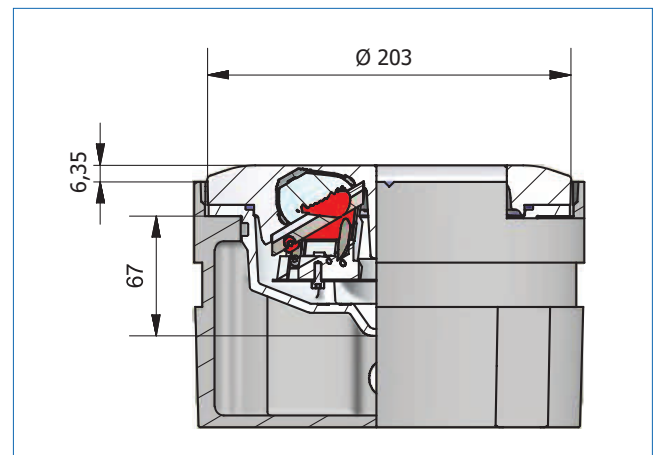
- ICAO Annex 14, Vol. 1  
Figure: A1-1a, A2-14 (without REL)
- IEC TS 61827
- EASA CS-ADR-DSN  
Figure: U-1, U-18
- TP312  
Figure: B-14
- АП-170, Том II

### Properties

- very low protrusion: 6,35 mm
- small size: diameter 203 mm (8")
- installation depth in base: 67 mm
- 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 of TI44 and TI45 series
- easy transport and handling due to small size and weight
- available also with 4 fixing holes
- TCL lights can be fitted with a 20 W / 2,2 A bulb (except for lights with blue filters)
- for alternate parallel taxiway line the lights can be fitted with blue filters

### Mechanical parameters

- weight (cardboard box) ~3,0 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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# 5.2.6

# TI45



### ➔ Resistance to

- temperature -55 ÷ +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 ÷ 2 000 Hz with acceleration 10/15 G

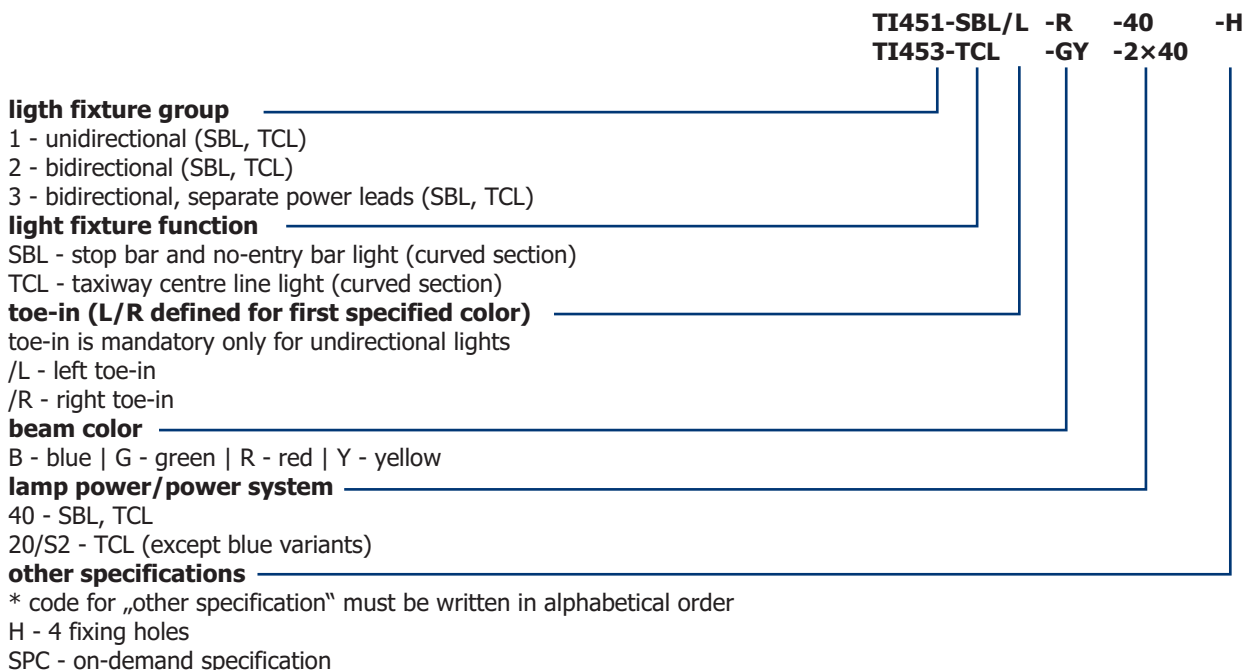
### ➔ Light source

- standard airfield cold mirror reflector halogen 6,6 A lamp
  - Ø 35 mm, 6,6 A
  - Ø 35 mm, 2,2 A

### ➔ Power source

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

### Ordering code



### Note:

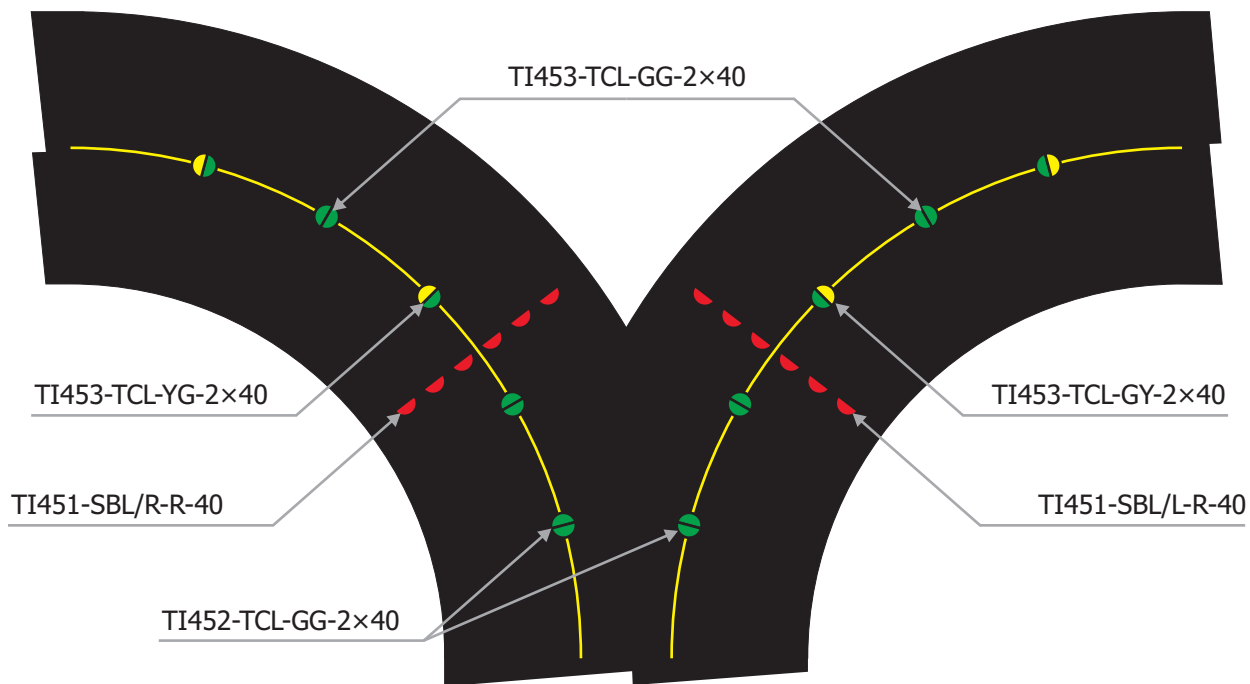
- spaces in examples above used for clarity only
- optional parameters used only if necessary
- lamp power is optional part of ordering code, if the power supply system is not used, the light is designed for airfield series power supply system 6,6 A

### Ordering code examples :

- TI451-SBL-R-H** unidirectional stop bar and no-entry bar lights curved section, red, 40 W / 6,6 A, 4 fixing holes
- TI452-TCL-YG-2×20/S2** bidirectional taxiway centre line lights curved section, green/yellow, 20 W / 2,2 A, common power leads
- TI453-TCL-GG** bidirectional taxiway centre line lights curved section, green/green, 40 W / 6,6 A, separate power leads (2 inlets)

### → Toe-in

- the axis of the shallow base must be oriented along the tangent axis of the taxiway at the location of each lamp



### → Certified types according to UCL CR

TI451-SBL/L-R-40	TI451-SBL/R-R-40	
TI452-SBL-RR-2×40	TI453-SBL-RR-2×40	
TI451-SBL/L-G-40	TI451-SBL/R-G-40	
TI451-SBL/L-Y-40	TI451-SBL/R-Y-40	
TI452-SBL-GG-2×40	TI452-SBL-GY-2×40	TI452-SBL-YG-2×40
TI453-SBL-GG-2×40	TI453-SBL-GY-2×40	TI453-SBL-YG-2×40

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