

**Application**

- APP - approach centre line and crossbar light
- ASR - approach side row light
- THR - threshold light
- THREND - threshold and runway end light
- END - runway end light
- RWY - runway edge light  
\* usable as stopway light
- RGL - high intensity runway guard light, configuration B

**Classification**

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

**Accordance with**

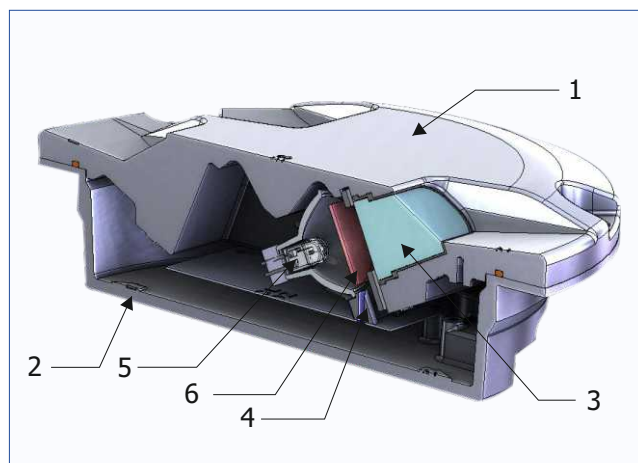
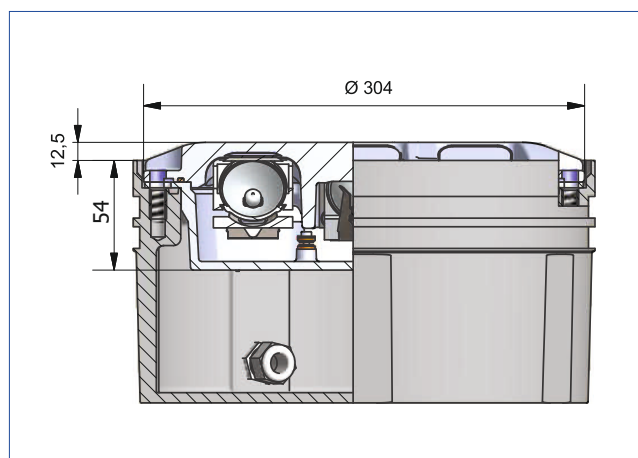
- ICAO Annex 14, Vol. 1  
Figure: A1-1a, A2-1, A2-2, A2-3/4, A2-8, A2-9/10, A2-20
- IEC TS 61827
- EASA CS-ADR-DSN  
Figure: U-1, U-6, U-7/8, U-12, U-13/14, U-24
- TP312  
Figure: B-1, B-2, B-3/4, B-8, B-9/10, B-17
- FAA AC 150/5345-46E\*  
L-850C, L-850D, L-852G  
\* photometrically compatible
- АП-170, Tom II

**Properties**

- standard protrusion: 12,5 mm
- size: diameter 304 mm (12")
- installation depth in base: 54 mm
- optimized optical parameters
- 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 TI40, TI41, TI70, TI71 and TI72 series

**Mechanical parameters**

- weight (cardboard box) ~7,0 kg
- dimensions (cardboard box) 325×315×115 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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# TI70



## 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

## Power source

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

## Light source

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

## Ordering code

	TI703-ASR /L	-R	-3×105-SPC
	TI702-RWY	-WY	-2×105
<b>light fixture group</b>	_____		
1 - unidirectional (APP, ASR, END, RGL, RWY, THR)			
2 - bidirectional (RWY, THREND)			
3 - bidirectional, separate power leads (RWY, THREND)			
<b>light fixture function</b>	_____		
APP - approach centre line and crossbars light			
ASR - approach side row light			
END - runway end light			
RWY - high-intensity runway edge light			
RGL - high-intensity runway guard light			
THR - threshold (threshold wing bar) light			
THREND - threshold (threshold wing bar) and runway end light			
<b>toe-in (L/R defined for first specified color)</b>	_____		
/L - left toe-in			
/R - right toe-in			
* required for THREND, unidirectional RWY			
* optional for ASR, THR			
* for bidirectional RWY not noted (first color always left toe-in)			
<b>beam color</b>	_____		
G - green   R - red   W - white   Y - yellow			
<b>lamp power</b>	_____		
105 - END			
2×105 - ASR, RWE, THR			
3×105 - APP, ASR, THREND			
3×62 - RGL			
<b>other specifications</b>	_____		
* code for "other specification" must be written in alphabetical order			
SPC - on-demand specification			

## Note:

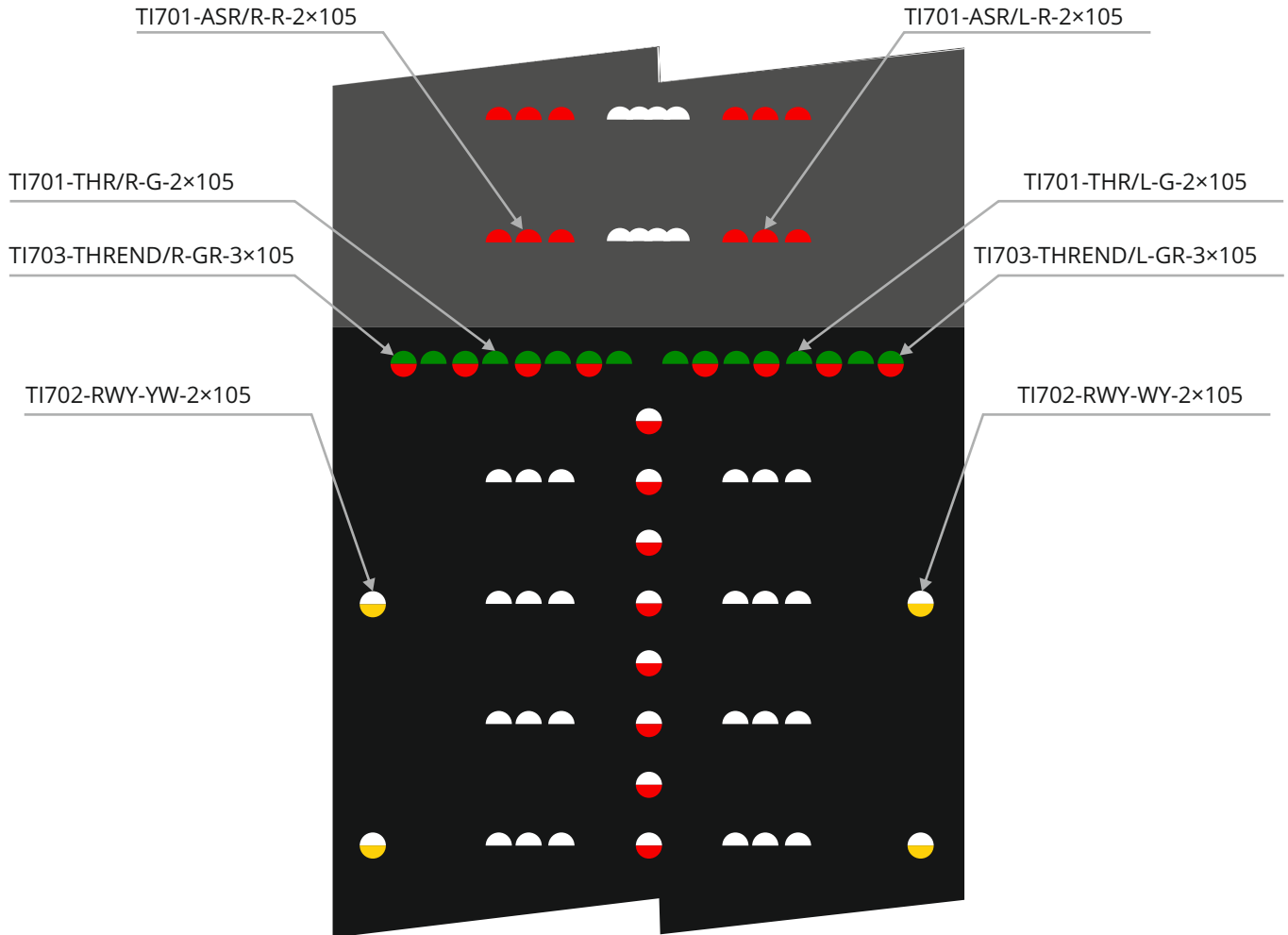
- spaces in examples above used for clarity only
- optional parameters used only if necessary
- lamp power is optional part of ordering code

## Ordering code examples:

TI703-THREND/L-GR-3×105	bidirectional threshold and RWY end light, green/red, toe-in to the left
TI701-ASR/R-R	unidirectional approach side row light, red, toe-in to the right,
TI701-APP	unidirectional approach centre line light, white

### Toe-in

- applies when using shallow bases installed parallel to the RWY centerline
- when using shallow bases installed with toe-in to the RWY centerline, lights without toe-in shall be used



### Certified types according to UCL CR

TI701-APP-W-3×105	TI701-ASR/L-R-2×105	TI701-ASR/R-R-2×105
TI701-ASR-R-2×105		
TI701-END-R-105		
TI701-RWY/L-W-105	TI701-RWY/R-W-105	
TI701-RWY/L-Y-105	TI701-RWY/R-Y-105	
TI701-RWY/L-R-105	TI701-RWY/R-R-105	
TI702-RWY-WW-2×105	TI702-RWY-WY-2×105	TI702-RWY-YW-2×105
TI702-RWY-YR-2×105	TI702-RWY-RY-2×105	
TI703-RWY-WW-2×105	TI703-RWY-WY-2×105	TI703-RWY-YW-2×105
TI703-RWY-YR-2×105	TI703-RWY-RY-2×105	
TI701-THR-G-2×105	TI701-THR/L-G-2×105	TI701-THR/R-G-2×105
TI702-THREND/L-GR-3×105	TI702-THREND/R-GR-3×105	
TI703-THREND/L-GR-3×105	TI703-THREND/R-GR-3×105	

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