

Application

- RCL - runway centre line light
 - * usable for LAHSO (Land and Hold Short Operations)
- RETIL - rapid exit taxiway indicator light
- TDZ - touchdown zone lights
 - * usable for MALS according to the FAA AC (Medium Intensity Approach Lighting System)
- THL - Take-off hold light part of RWSL
 - * usable as RIL (Runway Intersection Light)
 - * RWSL (Runway Status Light)

Classification

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

Accordance with

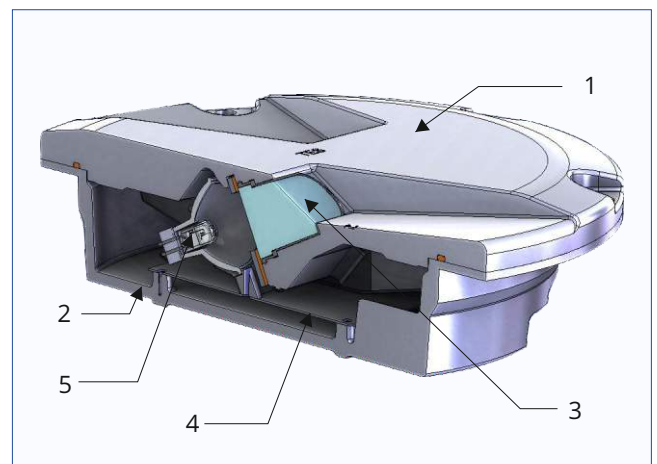
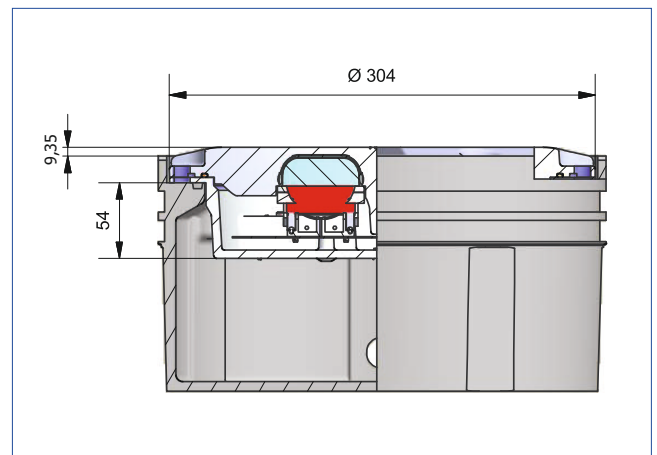
- ICAO Annex 14, Vol. 1
Figure: A1-1a, A2-5, A2-6, A2-7 Cat III, A2-26
- IEC TS 61827
- EASA CS-ADR-DSN
Figure: U-1, U-10, U-11 Cat III
- TP312
Figure: B-5, B-7, B-24(a)
- FAA AC 150/5345-46E*
L-850A, L-850B, L-850F, L-850T
* photometrically compatible
- АП-170, Tom II

Properties

- low protrusion: 9,35 mm
- size: diameter 304 mm (12")
- installation depth in base: 54 mm
- low energy consumption due to the 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
- TDZ lights available with or without toe-in

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

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TI72

**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/lamps)

SKU

	TI721-TDZ/L	-W	-48	-SPC
	TI722-RCL	-WR	-2×48	
light fixture group				
1 - unidirectional (RCL, RETIL, TDZ, THL)				
2 - bidirectional (RCL)				
3 - bidirectional, separate power leads (RCL)				
light fixture function				
RCL - runway centre line				
RETIL - rapid exit taxiway indicator light				
TDZ - touchdown zone				
THL - take-off and hold light				
toe-in (L/R defined for first specified color)				
/L - left toe-in				
/R - right toe-in				
beam color				
R - red W - white Y - yellow				
lamp power				
48 - RCL unidirectional, RETIL, TDZ, THL				
2×48 - RCL bidirectional				
105 - THL				
other specifications				
* code for „other specification“ must be written in alphabetical order				
SPC - on-demand specification				

Note:

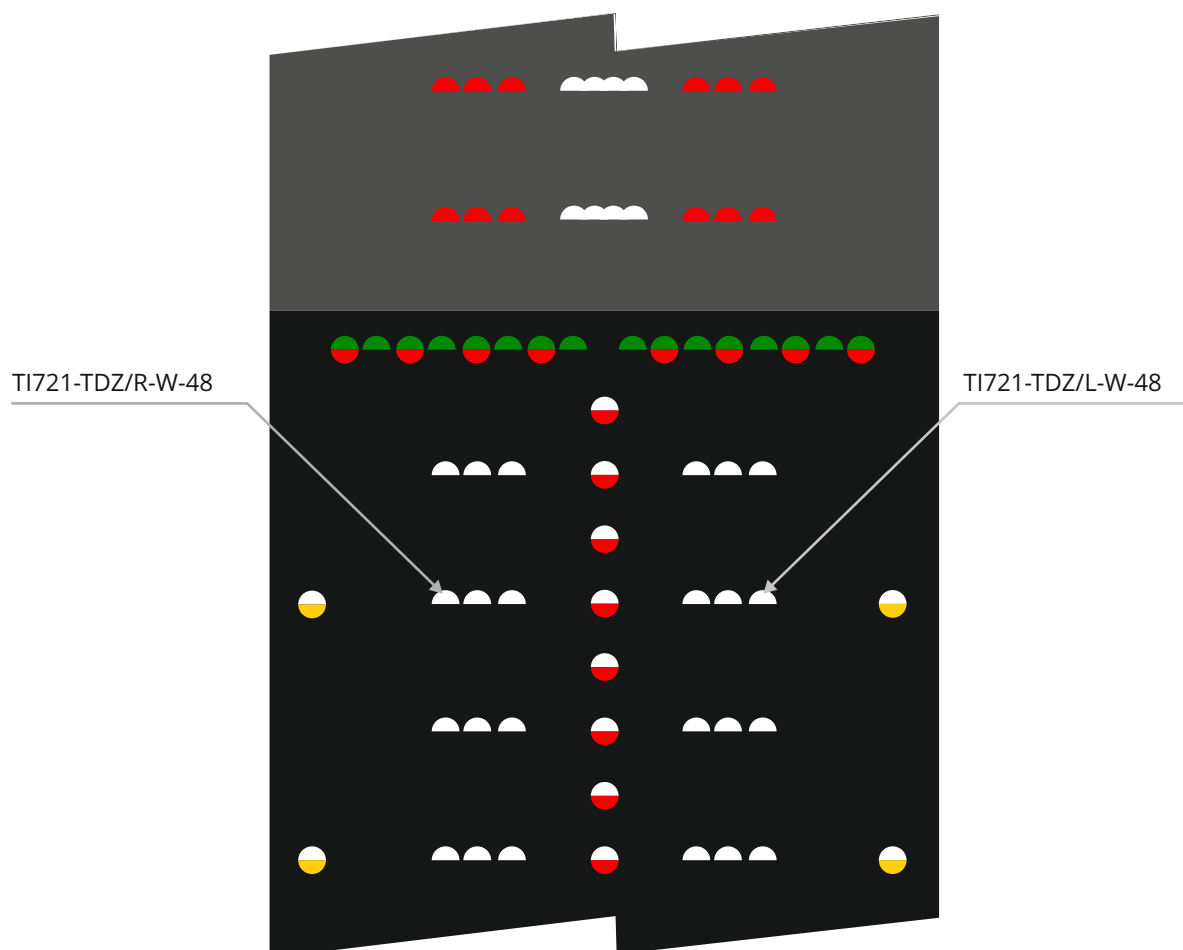
- spaces in examples above used for clarity only
- optional parameters used only if necessary
- lamp power is optional part of ordering code

Ordering code examples:

TI722-RCL-WR	bidirectional RWY centre line light, white/red	
TI721-RETIL-Y	unidirectional rapid exit taxiway indicator light, yellow	
TI721-TDZ/R-W	unidirectional touchdown zone light, right toe-in (in the direction of the beam),	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**

TI721-RCL-W-48
 TI722-RCL-WW-2×48
 TI723-RCL-WW-2×48
 TI721-RETIL-Y-48
 TI721-TDZ-W-48

TI721-RCL-R-48
 TI722-RCL-WR-2×48
 TI723-RCL-WR-2×48

TI721-TDZ/L-W-48

TI721-TDZ/R-W-48

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