

### ➔ Application

- APP - approach centre line and crossbars light
- FATO - final approach and take-off light
  - \* usable as aiming point lights
- FPAG - flight path alignment guidance lighting
- RWY - omnidirectional runway edge light, medium/low intensity
- SBL - omnidirectional stop bar and no-entry bar light for RVR  $\geq 350$  m
- SMG - aircraft stand manoeuvring guidance light
- TCL - omnidirectional taxiway centre line light for RVR  $\geq 350$  m
- THREND - threshold/runway end light medium/low intensity
- TLOF - touchdown and lift-off area light
- TWY - taxiway edge light

### ➔ Classification

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

### ➔ Accordance with

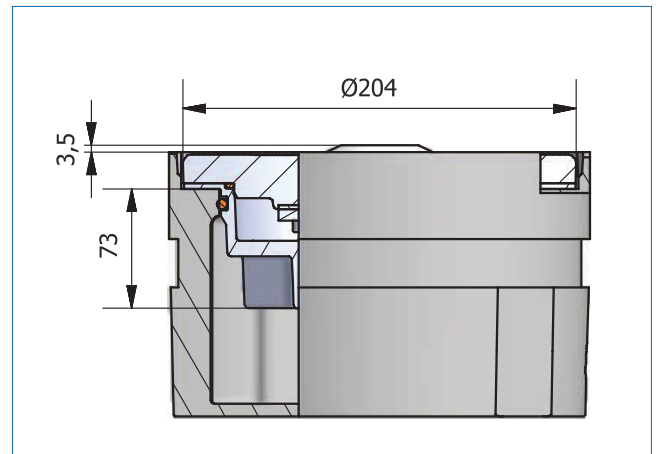
- ICAO Annex 14, Vol. 2  
Figure 5-11, Illustration 5/6
- ICAO Annex 14, Vol. 1  
Figure A2-15/16
- IEC 61827
- EASA CS-ADR-DSN  
Figure U-19/20
- FAA AC 150/5345-46\*  
L-852T, L-852E, L-861
- \* photometrically compatible

### ➔ Properties

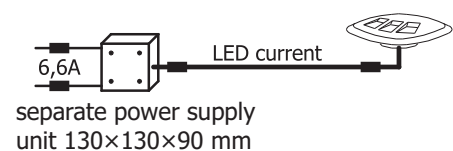
- extremely low protrusion: 3,5 mm
- small size: diameter 204 mm (8")
- installation depth in base: 73 mm
- simple and durable aluminum design
- long-term optical stability due to the usage of LED technology
- non-glued easily replaceable prisms
- effective maintenance due to many common parts with TLI42 and TLI43
- easy transport and handling due to small size and weight
- available also with 4 fixing holes
- can be manufactured to mate with shallow bases with axial sealing

### ➔ Mechanical parameters

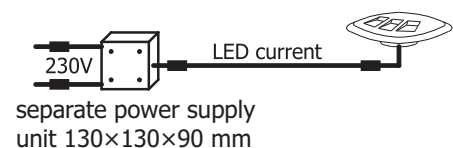
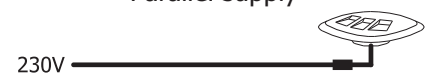
- weight (cardboard box)  $\sim 3,0$  kg
- dimensions (cardboard box) 220×220×115 mm



#### Series supply



#### Parallel supply



chapter:

## 5.4.1

## TLI42



## → 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 according to the IEC TS 61827
- vibrations 20 ÷ 2 000 Hz with acceleration 10/15 G

## → Light source

- LED

## → Power source

- isolating transformer with 6,6 A on secondary output (transformer power according to used lamp)
- suitably designed 230 V AC supply with the type of luminance control
- integrated power supply (excluding HAPP)
- separate power supply unit for HAPP lights (optional for other types)

## Ordering code

TLI420-SMG -Y -15 /P1 -H  
TLI420-THREND -GR -20 -A

## light fixture function

APP - approach centre line and crossbars light  
FATO - final approach and take-off light  
FPAG - flight path alignment guidance lighting  
HAPP - heliport approach steady burning lights  
RWY - omnidirectional runway edge light  
SBL - omnidirectional stop bar and no-entry bar light for RVR ≥350 m  
SMG - aircraft stand manoeuvring guidance light  
TCL - omnidirectional taxiway centre line light for RVR ≥350 m  
THREND- threshold/runway end lights, medium/low intensity  
TLOF - touchdown and lift-off area light  
TWY - taxiway edge light

## color

B - blue | G - green | R - red | W - white | Y - yellow | X - none/blinded

\* TCL, RWE, THREND - combination of 2 colors is possible

\* SMG - color outside ICAO specifications, if requested

## light power [VA]

TLOF 26/P1

FATO 31/P1

HAPP 75/P1

## / power-ups

\* if the power supply system is not used, the light is designed for airfield series power supply system 6,6 A

P1 - parallel 230 V/50–60 Hz, electrical appliance class I, PSK 3-step regulation

## other specifications

\* code for „other specification“ must be written in alphabetical order

A - shallow bases with axial sealing

## Note:

- spaces in examples above used for clarity only
- optional parameters used only if necessary

## Ordering code examples:

TI420-TLOF-G-/P1

omnidirectional LED final approach and take-off light, green, parallel power-ups 230 V (regulation "PSK" 10/30/100 %)

TI420-TWY-B

omnidirectional LED taxiway edge light, blue, series power supply system 6,6 A

TI420-SMG-Y

omnidirectional LED aircraft stand manoeuvring guidance light, yellow, series power supply system 6,6 A