

→ Application

- elevated high intensity directional LED light suitable for CAT I-III
 - APP approach centre line and crossbars light
 - ASR approach side row light
 - END runway end light
 - RWY runway edge light
 - THR/THRWB threshold and threshold wing bar light
 - THREND threshold and runway end light (only common power-ups – light intensity control)

→ Certificate basis

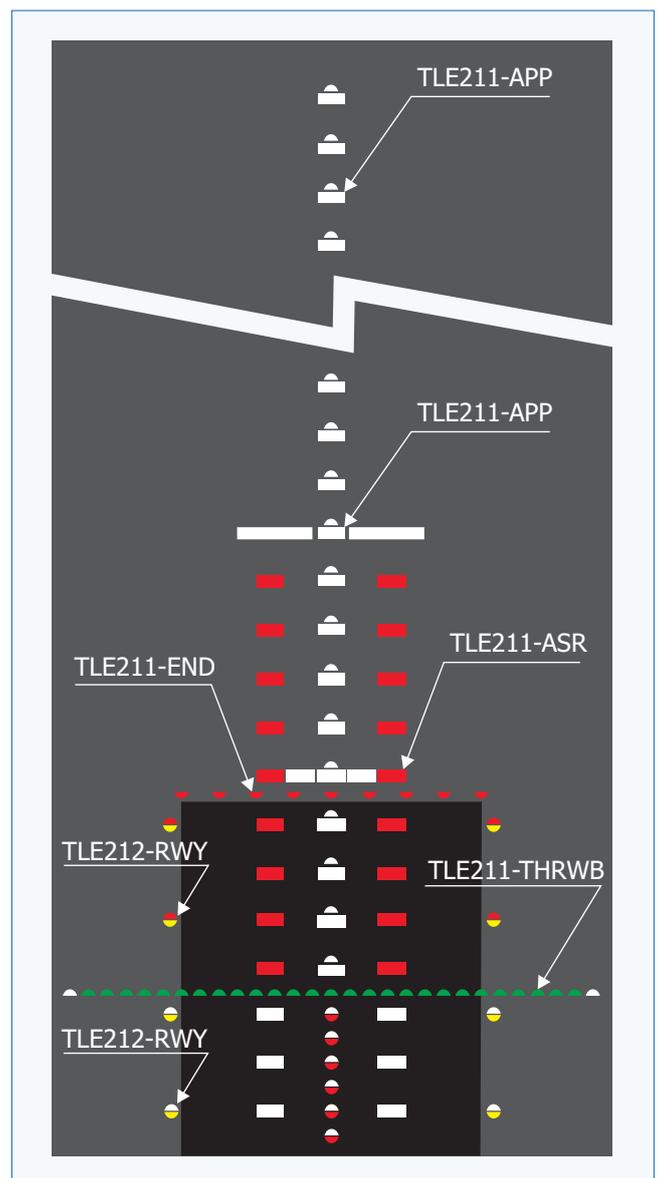
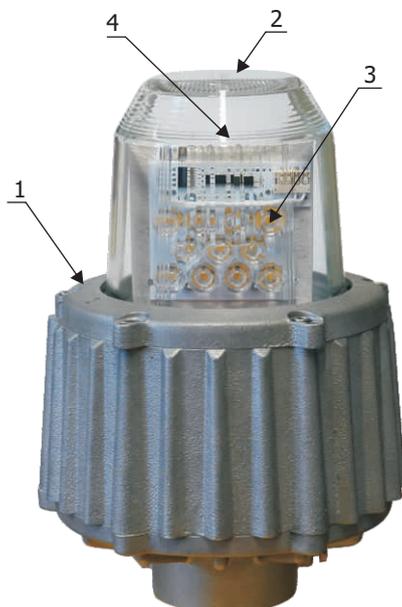
- ICAO Annex 14, Vol. 1, App. 1+2
- EASA CS ADR-DSN.U.930+940
- ICAO Doc 9157, Part 4+6

→ Description/properties

- robust light design ensures high durability
- very good dust and water resistance IP 56
- no-need of elevation adjustment for lights due to optimized light output
- excellent chromacity and light source lifetime due to LEDs
- aluminium parts painted on RAL 1021

→ Construction

- 1 Aluminium housing with electronics
- 2 Glass dome
- 3 LED light engine
- 4 Omnidirectional add-on (optional)



chapter:

5.3.3

TLE21



→ Connection / supplying:

- installation:
 - to specified height using breakable coupling (001 057) and tube with diameter 60 mm (001 400), or
 - to minimal height using only breakable coupling (001 057.1)
- power-ups:
 - "standard series" using isolating transformer with 6,6 A on secondary output (transformer power according to used light fixture power), or
 - "series" using isolating transformer with reduced (2,2 A) current on secondary output (transformer power according to used light fixture power), or
 - "parallel" 230 V AC supply with suitable intensity regulation coding
- power cable with molded connector L-823, Type II, Class A, Style 1/6
- power cable length:
 - "standard" for installation directly on breakable coupling, or
 - "on-demand" cable length 0,5/1,0/1,5/2,0/2,5/3,0 m

→ Mechanical parameters

- dimensions 230×250×230 mm
- weight 4 kg

→ Operating conditions

- level of protection IP 56
- temperature -55 to +55 °C
- humidity up to 95 % at +55 °C
- wind resistance up to 480 km/h

→ Source of light / optical system

- high power LED assembly/cluster with primary and secondary optics

→ Accessories

- fixing elements (tubes, breakable couplings, base plates, etc.) and extension cables of the secondary wiring must be ordered separately

Ordering codes

TLE21 2 - RWY/ L - YR - 40 / S2 - G1N

light fixture group _____

1- unidirectional
2- bidirectional

light fixture function _____

APP - approach centre line and crossbars light
ASR - approach side row light
END - runway end light
RWY - runway edge light
THR/THRWB - threshold/threshold wing bar light
THREND - threshold and runway end light
/ toe-in (L/R defined for first specified color) _____

/L - left toe-in
/R - right toe-in
* required for RWY and THREND

beam color _____

G- green, R- red, W- white, Y- yellow

light power [VA] _____

20 VA- END/RWY(unidirectional)
30 VA- APP/ASR/THR/THRWB
40 VA- RWY(bidirectional)/THREND

/ power-ups _____

* if the power supply system is not used, the light is designed for airfield series power supply system 6,6 A
S2- 2,2 A airport series circuit
P3- 230 V AC with PSK 5-step regulation

other specification _____

*code for „other specification“ must be written in alphabetical order
G - omnidirectional circling guidance module (add-on)
M - monitoring module (open circuit condition)
N - aluminium parts without surface treatment
SPC - on-demand specification
T - arctic kit (heating module)

Note:

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

Ordering code examples:

TLE212-RWY/R-WY

runway edge light, white/yellow, toe-in to the right (standard 6,6 A power supply)

TLE211-APP

approach centreline or crossbar light, white (standard 6,6 A power supply)

TLE211-RWY/L-R-/S2

runway edge light, red, toe-in to the left, 2,2 A series power supply