

# RELIANCE

Taxiway Edge, L-861T(L)

Omnidirectional elevated



## Compliance with Standards

**FAA:** L-861T(L) AC 150/5345-46 (Current Edition) and the FAA Engineering Brief No. 67. ETL Certified.

**ICAO:** Annex 14, Vol. 1, para. 5.3.17; 5.3.18 (for photometry)

**CE:** Complies with the requirements of the EMC Directive 2004/108/EC

## Uses

Taxiway edge fixture is used to delineate the edges of airport taxiways.

### FAA

- Taxiway Edge L-861(L)

### ICAO

- Taxiway Edge

## Features

- Average LED life of 100,000 hours under high-intensity conditions and more than 180,000 hours under typical operating conditions, which significantly reduces ongoing maintenance costs and periodic re-lamping expenses.
- The RELIANCE® taxiway edge fixture with heater fixture MTBF is at least 180,000 operating hours.
- UV-resistant polycarbonate outer lens option minimizes risk of lens damage if fixture is knocked over.
- Isolation transformers are available for use with the fixtures to match fixture load for optimal efficiency.
- Rugged low-profile design reduces damage due to jet blast.
- Provides  $\pm 4.5^\circ$  vertical adjustment.
- Aluminum casting, stainless steel hardware, and protected with aviation yellow powder coat finish. Locking ring is protected with aviation blue powder coat finish.

## Operating Conditions

Temperature: -40 °F to +131 °F / -40 °C to +55 °C

Wind: Withstands wind velocities up to 300 mph / 480 kph

## Power Supply

### Current Driven

RELIANCE LED lights have been designed to work with any IEC or FAA-compliant transformer up to 100 W without affecting performance or lifetime of the light or the transformer.

ETES Fixture w/ heater	Fixture Load	Isolation Transfmr.	Isol. XF Load	CCR Load
Off	12 VA	20/25 W	7.5 VA	19.5 VA
Off	12 VA	30/45 W	8.4 VA	20.4 VA
On	25 VA	20/25 W	7.5 VA	32.5 VA
On	25 VA	30/45 W	9 VA	34 VA
ETES Fixture w/out heater	Fixture Load	Isolation Transfmr.	Isol. XF Load	CCR Load
Off	12 VA	10/15 W	3 VA	15 VA
Off	12 VA	30/45 W	8.4 VA	20.4 VA

### Voltage Driven

Input voltage: 95 VAC (min.) - 264 VAC (max.), 50/60 Hz

Maximum input power (w/out heater): 10.2 VA

Maximum input power (w/heater): 25.2 VA at 120 VAC

# RELIANCE

## Ordering Code

ETES - X X X X

### LED Color

- 1 = Blue (Glass)
- 2 = Red (special applications only)<sup>1</sup>
- 3 = White (special applications only)<sup>1</sup>
- 4 = Green (special applications only)<sup>1</sup>
- 5 = Yellow (special applications only)<sup>1</sup>
- 6 = Blue (UV-resistant Polycarbonate)

### Fixture Height

- 0 = 14" OAH without coupling<sup>3</sup>
- 1 = 14" OAH with 1.5-inch coupling, 12 TPI
- 2 = 24" OAH with 1.5-inch coupling, 12 TPI
- 3 = 30" OAH with 1.5-inch coupling, 12 TPI
- 4 = 14" OAH with 2-inch coupling, 11.5 TPI
- 5 = 24" OAH with 2-inch coupling, 11.5 TPI
- 6 = 30" OAH with 2-inch coupling, 11.5 TPI
- 7 = 14" OAH with 2-inch coupling, 11 TPI<sup>4</sup>
- 8 = 24" OAH with 2-inch coupling, 11 TPI<sup>4</sup>
- 9 = 30" OAH with 2-inch coupling, 11 TPI<sup>4</sup>
- A = No column or frangible coupling, Style 6 cord
- B = 14" OAH with 1.5-inch slot coupling
- C = 24" OAH with 1.5-inch slot coupling
- D = 30" OAH with 1.5-inch slot coupling
- E = 14" OAH with 1.5" x 2" slot coupling, 11.5 TPI
- F = 24" OAH with 1.5" x 2" slot coupling, 11.5 TPI
- G = 30" OAH with 1.5" x 2" slot coupling, 11.5 TPI
- H = No column or frangible coupling, Style 1 cord
- L = 14" OAH with 2" coupling, 11.5 TPI, 22" cord set
- M = 18" OAH with 1.5" x 2" slot coupling, 11.5 TPI
- N = 18" OAH with 1.5-inch coupling
- P = 18" OAH with 2-inch coupling, 11.5 TPI
- Q = 18" OAH with 2-inch coupling, 11 TPI<sup>4</sup>
- S = 20" OAH with 1.5-inch coupling
- T = 20" OAH with 1.5-inch slot coupling
- U = 20" OAH with 2-inch coupling, 11 TPI<sup>4</sup>
- V = 20" OAH with 2-inch coupling, 11.5 TPI
- Z = 16" OAH with 1.5-inch coupling, 12 TPI

### Power

- 1 = Current Driven, 50/60 Hz<sup>5</sup>
- 3 = 95-264 VAC, 50/60 Hz

### Arctic Option

- 0 = Without arctic option
- 1 = With arctic option<sup>2</sup>

### Notes

- <sup>1</sup> Not submitted for ETL testing
- <sup>2</sup> When powered by a parallel circuit, heater is designed for use at only 120 VAC, ±10%, 50/60 Hz
- <sup>3</sup> Configuration sold with no column and no coupling
- <sup>4</sup> Normally used in metric applications
- <sup>5</sup> Any current-driven option carries the CE Mark

## Energy Cost Savings

One (1) watt LED light source combined with efficient electronics results in significant energy cost reductions.

Isolation Transformer	LED Fixture Load <sup>1</sup>	Incand./ Tungsten Halogen Load	Energy Savings
<b>Fixture with heater on, current driven</b>			
20/25 W or 30/45 W	25 VA	45 W	1.8 times
<b>Fixture with heater off, current driven</b>			
20/25 W or 30/45 W	12 VA	45 W	3.7 times

### Notes

- <sup>1</sup> Fixture load does not include isolation transformer load.

## Packaging

Assembled Fixtures	Dimensions of Cartons		Indiv. Weight <sup>1</sup> lb / kg
	Individual in / cm	15 per box in / cm	
14-inch OAH	20.5 x 6.5 x 6.5 / 52 x 16.5 x 16.5	19.5 x 23.5 x 15.75 / 50 x 60 x 52	2.75 lb 1.25 kg
24-inch OAH	31 x 6.5 x 6.5 / 79 x 17 x 17	29.5 x 23.5 x 15.75 / 75 x 60 x 40	4 lb 1.81 kg
30-inch OAH	37 x 6.5 x 6.5 / 94 x 16.5 x 16.5	36 x 23.5 x 15.7 / 91.5 x 60 x 40	4.75 lb 2.15 kg

### Notes

- <sup>1</sup> Weight based on unpackaged fixture with arctic option.

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Product specifications may be subject to change, and specifications listed here are not binding. Confirm current specifications at time of order.