

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)
Chromaticity - Appendix 1, Section 2.3.1 (Blue LED)
Frangibility - Section 5.3.1.6
- CE:** Complies with the requirements of the EMC Directive 2014/30/EU

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.

Optional monitoring function of the individual light source. In case of a defect, the LED light automatically disconnects from the secondary side of the isolation transformer, resulting in an open circuit condition.

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

LED Color

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

Fixture Height

- R = ICAO <350mm OAH with 2-inch coupling, 11.5 TPI^{1,4}
- W = ICAO <350mm OAH with 2-inch coupling, 11 TPI^{1,4}
- 0 = 14" OAH without coupling^{1,3}
- 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-inch OAH with 2-inch coupling, 11.5 TPI
- 5 = 24-inch OAH with 2-inch coupling, 11.5 TPI
- 6 = 30-inch OAH with 2-inch coupling, 11.5 TPI
- 7 = 14-inch OAH with 2-inch coupling, 11 TPI^{1,4}
- 8 = 24-inch OAH with 2-inch coupling, 11 TPI^{1,4}
- 9 = 30-inch OAH with 2-inch coupling, 11 TPI^{1,4}
- A = No column or frangible coupling, Style 6 cord¹
- B = 14" OAH with 1.5-inch slot coupling¹
- C = 24" OAH with 1.5-inch slot coupling¹
- D = 30" OAH with 1.5-inch slot coupling¹
- E = 14" OAH with 1.5" x 2" slot coupling, 11.5 TPI¹
- F = 24" OAH with 1.5" x 2" slot coupling, 11.5 TPI¹
- G = 30" OAH with 1.5" x 2" slot coupling, 11.5 TPI¹
- H = No column or frangible coupling, Style 1 cord^{1,3}
- L = 14" OAH with 2-inch coupling, 11.5 TPI, 22" cordset
- M = 18" OAH with 1.5" x 2" slot coupling, 11.5 TPI¹
- 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^{1,4}
- S = 20" OAH with 1.5-inch coupling
- T = 20" OAH with 1.5-inch slot coupling¹
- U = 20" OAH with 2-inch coupling, 11 TPI^{1,4}
- 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
- M = Current Driven, Monitored 50/60hz^{1,5}
- 3 = 95-264 VAC, 50/60 Hz
- A = APS Advanced Power Supply

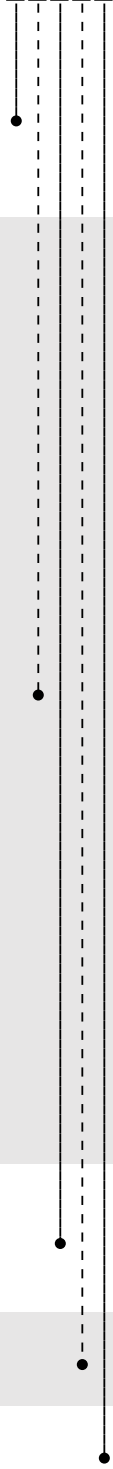
Arctic Option

- 0 = Without Arctic Option
- 1 = With Arctic Option²

Version

- C = ROW Version
- = Not used for Buy American Preference

ETES /



Ordering Code Notes

- ¹ Not Submitted for ETL testing.
- ² When powered by a parallel circuit, heater is designed for use at only 120 VAC, +/- 10%, 50/60Hz.
- ³ Configuration sold with no column and no coupling.
- ⁴ Normally used in metric applications.
- ⁵ If digit 7 = M, digit 9 must be = C.

Packaging

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

Notes

- ¹ 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.