RELIANCE

Turnpad

Omnidirectional elevated



Compliance with Standards

ICAO: Annex 14, Vol. 1 (Current Edition)

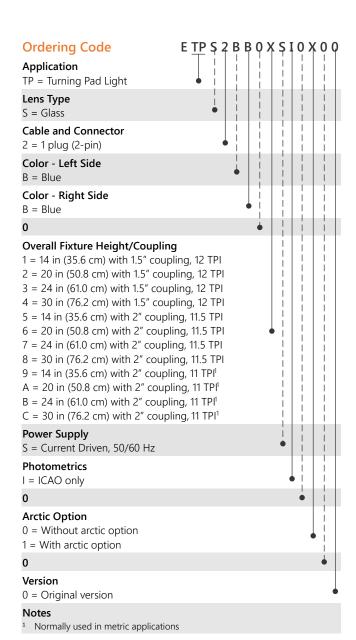
Uses

ICAO

- Elevated runway turning pads as defined in ICAO Annex 14, Vol. 1 (Current Edition)
- Visual runways or non-precision IFR runways
- Used to delineate the edges of airport turning pads.

Features & Benefits

- RELIANCE[®] omnidirectional elevated turnpad fixture provides constant light output with an input current range of 2.8 A - 6.6 A. Allows turning pad lights to be connected to existing runway edge circuits.
- Average LED life of 100.000 hours under high-intensity conditions and more than 180.000 hours under typical operating conditions, resulting in significant reduction or even elimination of ongoing maintenance costs and periodic re-lamping expenses.
- RELIANCE Turnpad with heater fixture MTBF is 180.000 operating hours minimum.
- Single-latch, stainless steel clamp allows easy removal and replacement of top cover and lens
- A gasket is used between the lens and the top cover and also between the top and bottom fixture head assemblies to form a watertight seal
- RELIANCE Turnpad with arctic option uses a thermostatically controlled heater to prevent ice and snow buildup from obscuring light output. Melts ice similar to traditional incandescent fixtures.
- Three screws allow a 4° leveling adjustment of the fixture after installation.
- Fixture comes standard with a 1.5-inch coupling, but is available with a 2-inch coupling and in alternative thread patterns.
- Sealed entry at cord set to optical assembly interface prevents insect entry.
- For additional features common to all ADB SAFEGATE's elevated LED fixtures.





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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

6.6 A through a 10/15 W or 30/45 W L-830 (for 60 Hz) or L-831 (for 50 Hz) isolation transformer. RELIANCE Turnpad 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.

Turning Pad Light	Fixture Load	Isolation Transfmr.	Isol. XF Load	CCR Load
W/out heater	8.1 VA	10/15 W	8 VA	16.1 VA
With heater	28.1 VA	30/45 W	9 VA	37.1 VA

Packaging

Assembled Fixtures	Dimensions of carto	Indiv.	
	Individual in / cm	15 per box in / cm	Weight lb / kg
14'' OAH	20.5 x 6.5 × 6.5 / 52 x 17 × 17	19.5 × 23.5 × 15.75 / 50 × 60 × 40	5 lb / 2.3 kg
24" OAH	31 x 6.5 × 6.5 / 79 x 17 × 17	29.5 × 23.5 × 15.75 / 75 × 60 × 40	6.25 lb / 2.8 kg
30" OAH	37 x 6.5 × 6.5 / 94 x 17 × 17	36 × 23.5 × 15.7 / 91.5 × 60 × 40	7 lb / 3.2 kg

Leveling Device Ordering Code

For accurate aiming and leveling, it is recommended to have one leveling device per airfield.



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For more information about the product, including manuals and certifications, please see our Product Center on the ADB SAFEGATE website, www.adbsafegate.com.

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