

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 .

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 cartons (H x W x D)		Indiv. Weight lb / kg
	Individual in / cm	15 per box in / cm	
14" OAH	20.5 x 6.5 x 6.5 / 52 x 17 x 17	19.5 x 23.5 x 15.75 / 50 x 60 x 40	5 lb / 2.3 kg
24" 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	6.25 lb / 2.8 kg
30" OAH	37 x 6.5 x 6.5 / 94 x 17 x 17	36 x 23.5 x 15.7 / 91.5 x 60 x 40	7 lb / 3.2 kg

Leveling Device

Ordering Code: 44A7645



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

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

Ordering Code

E 0 0

Application

TP = Turning Pad Light

Lens Type

S = Glass

Cable and Connector

2 = 1 plug (2-pin)

Color - Left Side

B = Blue

Color - Right Side

B = Blue

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Overall Fixture Height/Coupling

- 1 = 14 in (35.6 cm) with 1.5" coupling, 12 TPI
- 2 = 20 in (50.8 cm) with 1.5" coupling, 12 TPI
- 3 = 24 in (61.0 cm) with 1.5" coupling, 12 TPI
- 4 = 30 in (76.2 cm) with 1.5" coupling, 12 TPI
- 5 = 14 in (35.6 cm) with 2" coupling, 11.5 TPI
- 6 = 20 in (50.8 cm) with 2" coupling, 11.5 TPI
- 7 = 24 in (61.0 cm) with 2" coupling, 11.5 TPI
- 8 = 30 in (76.2 cm) with 2" coupling, 11.5 TPI
- 9 = 14 in (35.6 cm) with 2" coupling, 11 TPI¹
- A = 20 in (50.8 cm) with 2" coupling, 11 TPI¹
- B = 24 in (61.0 cm) with 2" coupling, 11 TPI¹
- C = 30 in (76.2 cm) with 2" coupling, 11 TPI¹

Power Supply

S = Current Driven, 50/60 Hz

Photometrics

I = ICAO only

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Arctic Option

- 0 = Without arctic option
- 1 = With arctic option

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Version

0 = Original version

Notes

- ¹ Normally used in metric applications

