

# 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 .

### Ordering Code

#### 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

0

#### 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 TPI<sup>1</sup>  
 A = 20 in (50.8 cm) with 2" coupling, 11 TPI<sup>1</sup>  
 B = 24 in (61.0 cm) with 2" coupling, 11 TPI<sup>1</sup>  
 C = 30 in (76.2 cm) with 2" coupling, 11 TPI<sup>1</sup>

#### Power Supply

S = Current Driven, 50/60 Hz

#### Photometrics

I = ICAO only

0

#### Arctic Option

0 = Without arctic option  
 1 = With arctic option

0

#### Version

0 = Original version

#### Notes

<sup>1</sup> Normally used in metric applications

E T P S 2 B B 0 X S I 0 X 0 0

# RELIANCE

## 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

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](http://www.adbsafegate.com).

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