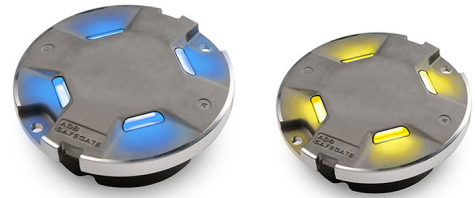


RELIANCE

LED Taxiway Edge

Omnidirectional Inset, 8-inch



Compliance with Standards (current versions)

FAA	L-852T(L)
ICAO	Annex 14, Volume 1
IEC	61827
EASA	CS-ADR-DSN
Canada	TP 312
Australia	MOS 139
US Navy	NAVAIR 5150AAA-2, WP 006-04
UFC	3-535-01
CE	

Uses

The RELIANCE™ 8-inch omnidirectional low-protrusion protected inset LED light fixture is provided with blue or yellow LEDs. This fixture, with an infrared (IR) option, can be used in the following applications:

- Taxiway Edge, L-852T(L)
- NAVAIR Edge
- UFC Edge
- Intermediate Holding Position (MOS)

Features and Benefits

Efficiency

- RELIANCE IQ with integrated intelligence
- RELIANCE with integrated fail-open technology
- RELIANCE Non-MON, non-monitored lights
- Operates on 3- or 5-step ferroresonant or thyristor CCRs designed in compliance with IEC or FAA requirements
- Easy maintenance due to modular design, few mechanical parts

Sustainability

- Light-emitting diode (LED) technology that offers a long-lasting light source with low power consumption
- IP68 protected (all fastenings in stainless steel)
- Protected top cover for improved durability and protection from external forces
- Compatible with existing infrastructure
- Fixture compatible with all ADB SAFEGATE 8-inch bases

Safety

- Light engine protected against towbar impact and high load from maneuvering vehicles and aircrafts
- Shorted LED detection according to FAA Engineering Brief No.67D
- Available with IR as an option

Accessories

Refer to the RELIANCE inset user manual for 8-inch lights.

Power Supply

An integrated, encapsulated 6.6A electronic converter. Two-pole L-823 FAA Style 6 (2-pin-) plug for connection to the transformer. Power factor typically >0.95 at 6.6 A. Power consumption 12 W.

French (flat 3-pin) plugs are also available for the French market. Please check ordering code.

Note:

- Refer to the appendix of RELIANCE inset user manual for 8-inch lights for a complete power table and the cable loss formula.
- Refer to the annex section.

Maintenance and Installation

Refer to the RELIANCE inset user manual for 8-inch lights and to the interoperability info for installation in a specific base.

Dimensions and Weight

Outer diameter / depth	Approx. 203 mm / 81.35 mm 8 in / 3.2 in
Weight without packaging	Approx. 2.8 kg 6.1 lb

Operating Conditions

Operating temperature	-60 °C to +55 °C / -76 °F to +131 °F
Storage temperature	-60 °C to +80 °C / -76 °F to +176 °F
Relative humidity	Up to 100%

RELIANCE

Ordering Code

Primary Standard

1 = FAA / ICAO¹

Market-Specific

0 = None

Dimensions

1 = 8 inch

Prism

P = 4 protected prisms

Beam Orientation

3 = Omnidirectional

Toe-in

N = Not applicable

Colors (Side 1)

B = Blue

Y = Yellow

1 = Infrared Blue (Only with 4 prisms, IRB)

2 = Infrared Yellow (Only with 4 prisms, IRY)

Colors (Side 2)

N = Not applicable

Power and Monitoring

S = 2.8 - 6.6 A, Non-MON (Power only, STD)

M = 2.8 - 6.6 A, Monitoring (With fail-open, MON)

P = 2.8 - 6.6 A / 2A IQ0 (IQ disabled)

Q = 2.8 - 6.6 A / 2A IQ1 (IQ enabled)

Connector and Cable

1 = 1 x Style 6 2-pin plug, 2 individual wires (1C)

5 = 1 x Flat 3-pin plug, 3 individual wires²

Options

0 = None

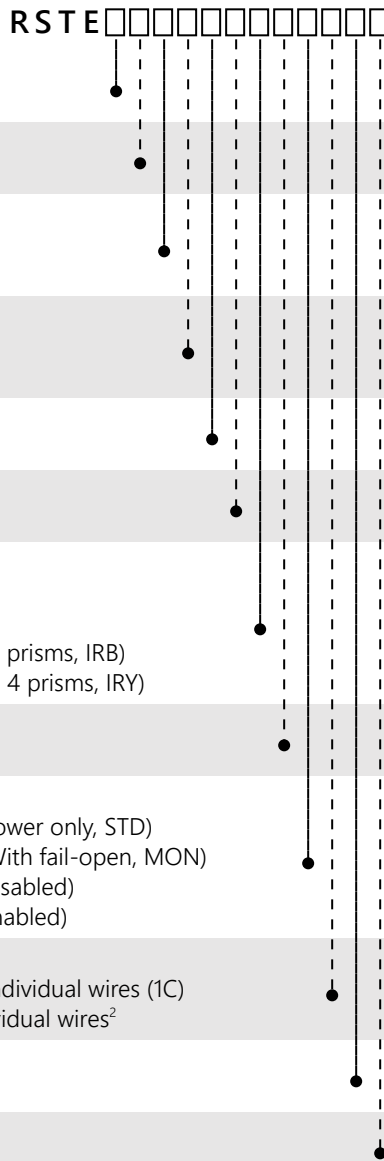
Version Control

1 = First version

Notes

1 Option 1 covers other compliance: MOS / UFC / NAVAIR.

2 French 3-pin plug



Note:

- Digit 3-4 of the ordering code: TE includes MOS Intermediate Holding Position.
- Deep base and / or adapter rings to be ordered separately.
- The IQ-functionality allows control and monitoring of the RELIANCE IQ. IQ1 fittings are pre-configured for the specific position at delivery. This function is disabled in IQ0 fittings but could be enabled in a later state. IQ light fixtures are only available as one connector option.

ANNEX

Fixture type	Fixture load	Isolation transformer			CCR load
		Rating	Loss	Efficiency	
RS -TE (omnidirectional, inset)	14 VA	25 / 35 W	4 VA	0.85	20 VA

Note:

- Extra losses in secondary cables or due to extra equipment (e.g. ILCMS remotes) are not included in above table; these extra losses will result in a higher required size of isolation transformers.
- Extra losses in primary cables are not included in above table; these extra losses will result in a higher required CCR load.
- Efficiency of the secondary transformer depends on the supplier of secondary transformers.

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