

# RELIANCE

## LED Stopway

Unidirectional inset 12-inch



### Compliance with Standards (current version)

**ICAO** Annex 14 Volume 1

**Australia** MOS 139

CE

### Uses

**ICAO**

- Stopway

### Features and Benefits

#### Efficiency

- Available in three versions:
  - RELIANCE™ IQ with integrated intelligence
  - RELIANCE with integrated fail-open (Mon) technology. Fuse resistors are part of the Mon-functionality and spares needs to be ordered separately.
  - RELIANCE Non-MON, non-monitored lights
- Light Emitting Diode (LED) technology that offers a long-lasting light source with low power consumption
- Compatibility between RELIANCE IQ version and RELIANCE Intelligent Lighting 2A system for further power savings and ILCMS
- No visual flicker. PWM is used for some applications to optimize the LED performance and light fixtures show no visual flickering.

#### Sustainability

- Fully encapsulated all-in-one electronics
- IP68 protected, aluminum housing designed for harsh weather environments, all fastenings in stainless steel
- Reinforced prism available as an option
- Operates on 3- or 5-step ferroresonant or thyristor CCRs designed in compliance with IEC or FAA requirements
- Easy handling and maintenance by modular design with few mechanical parts
- Compatible with existing infrastructure

#### Safety

- Built-in voltage surge and lightning protection
- Fully dimmable lights, respecting the response curve of traditional halogen lights
- Low protrusion, high-intensity, Style 3 inset light fixtures
- No negative slope in front of the prisms

## Accessories

Refer to the user manual for 12-inch RELIANCE inset lights.

## Power Supply

An integrated, encapsulated 6.6 A electronic converter. Two-pole L-823 plug for connection to the transformer. Power factor typically >0.9 at 6.6 A.

**Note:** Refer to the user manual for 12-inch RELIANCE inset lights and the complete power table and cable loss formula.

## Maintenance and Installation

The light fixture can be installed in a 12-inch base. Gaskets are sold separately. Check what gasket and bolts to order depending on base and installation.

**Note:** Refer to the user manual for 12-inch RELIANCE lights and the interoperability information for installation in a specific base.

## Operating Conditions

<b>Operating temperature</b>	-60 °C to +55 °C / -76 °F to +131 °F
<b>Storage temperature</b>	-60 °C to +80 °C / -76 °F to +176 °F
<b>Humidity</b>	Up to 100%

## Dimensions and Weight

<b>Dimensions</b>	304 mm / 12-in
<b>Weight</b>	6.3 kg / 13.9 lb

# RELIANCE

## Ordering Code

### Prism

S = Standard prism  
R = Reinforced prism

### Diameter

2 = 12 in

### Type

U = Unidirectional

### Toe-in

L = Left  
R = Right

### Options

0 = No options

### Color — B-side

R = Red

### Color — A-side

N = Blank

### Power and Monitoring

S = 2.8 - 6.6 A, without monitoring (Non-MON)  
M = 2.8 - 6.6 A, with monitoring (with fail-open)  
P = 2.8 - 6.6 A / 2 A, IQ0 (IQ disabled)  
Q = 2.8 - 6.6 A / 2 A, IQ1 (IQ enabled)

### Standards

M = ICAO and MOS

### Cord Set Style

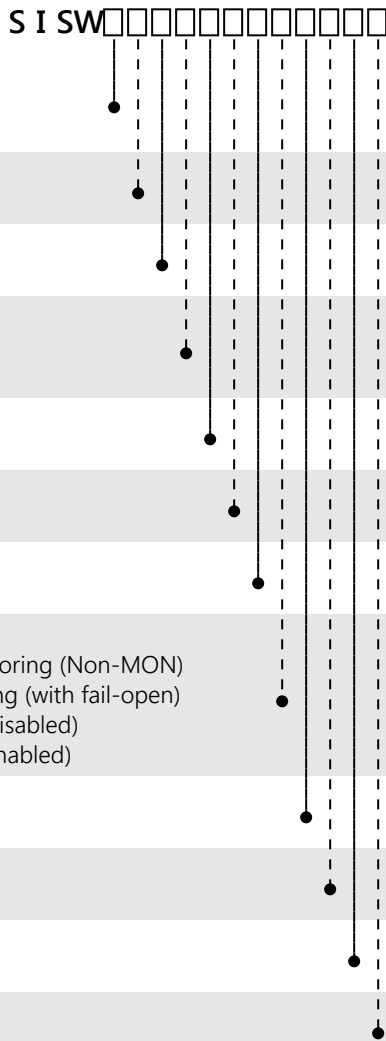
A = Style 6 (2 -pin) plug

### Cable and Connector

2 = 1x 2-pin plug

### Version

3 = RELIANCE



### Note:

- Fixture supports: compatible with both shallow and deep 12 - inch bases.
- The IQ functionality allows control and monitoring of the RELIANCE IQ. IQ1 fixtures are pre - configured for the specific position at delivery. This function is disabled in IQ0 fixtures but can be enabled later.
- IQ light fixtures are only available as a one connection option.
- If cord set option = A, then cable and connection option must = 2 or 3.
- If cord set option = F, then cable and connection option must = 4 or 5.

## ANNEX

### 12-inch and 8-inch light fixtures

Unidirectional Fixtures – 1 cord set, 25° C	Fixture load	Isolation transformer			CCR load
		Rating	Efficiency	Energy Use	
Stopway ICAO, Red	31 VA	45 W	0.85	9 VA	39 VA

#### NOTICE:

- No losses in the secondary cables are considered in the above table.
- No losses in the primary cables are considered in the above table.
- No spare CCR load has been considered in the above table.
- The Isolation transformer efficiency considered in the above table is estimated. These efficiency values depend on the isolating transformer supplier.
- No loads due to extra equipment on the circuit (e.g. ILCMS equipment) are considered in the above table.
- For Reliance IQ version:  
The minimum Isolation Transformer rating is 65W.  
To allow for communication bandwidth, an overhead of 12VA should be considered when determining the Isolation Transformer rating.
- For Reliance Fail-open version:  
The maximum Isolation Transformer rating is 200W.
- If part of a Reliance 2A system:  
The data provided in the table above is not applicable if part of a 2A reliance system. In this case, please contact your local ADB Safegate representative.

For more information about the product, including manuals and certifications, please see the Product Center on our website: [www.adbsafegate.com](http://www.adbsafegate.com).