



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 3134</b>	8-Mar-2017	Number 3	Issue date 26-Apr-2019	30-Apr-2020

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## Product designation

**Reliable, Model LT56: SIN RA5814, 15NS x 8.0K(metric), 68°/93°C (3 mm glass bulb), pendent, recessed pendent or concealed, specific application sprinkler**

(Refer to the Schedule/enclosures for further specified details)

## Agent/distributor

Reliable Fire Sprinkler (Australia) Pty Ltd  
Unit 2, 550 Churchill Road, KILBURN, SA, AUSTRALIA, 5084

## Registrant

Reliable Automatic Sprinkler Co., Inc  
1470 Smith Grove Road, LIBERTY, SC, UNITED STATES, 29657-0313

### Producer

Reliable Automatic Sprinkler Co., Inc  
103 Fairview Park Drive, ELMSFORD, NEW YORK, UNITED STATES, 10523

## Conformance criteria and evaluation

The Reliable, Model LT56: SIN RA5814, 15NS x 8.0K(metric), 68°/93°C (3 mm glass bulb), pendent, recessed pendent or concealed, specific application sprinkler has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Underwriters Laboratories - Evaluation and listing, 'UL listing'.
2. Underwriters Laboratories Standard UL 199, 'Automatic Fire Sprinklers for Fire Protection Service'.

## Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. Fire sprinkler equipment, system design and installation should be determined and verified in accordance with the performance and prescribed requirements of the regulations, standards and criteria as specified by the building code and authorities having jurisdiction. Due considerations include the occupancy fire loading, sprinkler location, coverage, response, hydraulic characteristics and other specified requirements relevant to the conformance and effectiveness of the equipment and installed system.

(Limitations/conditions of conformance continue)

Issued by

David Whittaker  
Executive Officer – ActivFire Scheme



# Schedule to Certificate of Conformity

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- ii. Specific or special requirements in relation to this product must be considered and included in the system design and installation.
- iii. Compliance of the fire sprinkler installation requires that the hydraulic and location design requirements of the fire sprinkler and the requirements of the system design and installation standards be met as specified by regulation and/or the authority having jurisdiction.

## Producer's description

The Reliable, Model LT56: SIN RA5814, 15NS x 8.0K(metric), 68°/93°C (3 mm glass bulb), pendent, recessed pendent or concealed, specific application sprinkler are for use in Light Hazard corridors and hallways. The sprinklers are Special Sprinklers based on the maximum and minimum allowable spacing, but shall otherwise be designed in accordance with the requirements of the relevant design and installation standards.

The sprinklers must be hydraulically designed using the minimum flow and pressure specified in the specified by the relevant technical data sheet.

## Technical specification

The following details are a representative extract of the technical specification for the Reliable, Model LT56: SIN RA5814, 15NS x 8.0K(metric), 68°/93°C (3 mm glass bulb), pendent, recessed pendent or concealed, specific application sprinkler and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

### Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Variant		Recessed escutcheons/cover plates
Type	Ident.	
Model	LT56	Model FV recessed escutcheon Model FP recessed escutcheon Model CCP cover plate

### Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

SIN	RA5814
Maximum working pressure	1723 kPa (250 psi)
Thread size	15NS (1/2" NPT)
Nominal K-factor	8.0 K(metric), l/min / kPa <sup>0.5</sup> (5.6 GPM/psi <sup>0.5</sup> )
Nominal temperature rating	68°/93°C
Finishes	as per producer's technical data sheets
Material Specifications	
Thermal Sensor:	3 mm glass bulb
Button:	Copper
Sprinkler Frame:	Brass Casting
Sealing Assembly:	Nickel with PTFE
Load Screw:	Bronze
Deflector:	Bronze

## Supplementary information

### Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
File ref.	VKKW.EX3646	VNIV.EX454 Sprinklers, Automatic and Open (ul_w3_EXHZ.EX454_v_2016-12-07.pdf)	7-Mar-2017	Underwriters Laboratories Inc., US; Certifications Directory
Bulletin	058	Reliable, Model LT56 Series Special Sprinklers K5.6 (80 metric) Designed specifically for corridors and hallways	Apr-2016	Reliable Automatic Sprinkler Co., Inc, US