



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3137	8-Mar-2017	Number 3	Issue date 26-Apr-2019	30-Apr-2020

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Product designation

Reliable, Model LT56L-300: SIN R5914, 15NS x 8.0K(metric), 74°/100°C (fusible link), 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 LT56L-300: SIN R5914, 15NS x 8.0K(metric), 74°/100°C (fusible link), 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 LT56L-300: SIN R5914, 15NS x 8.0K(metric), 74°/100°C (fusible link), 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 LT56L-300: SIN R5914, 15NS x 8.0K(metric), 74°/100°C (fusible link), 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		
Type	Ident.	Recessed escutcheons/cover plates
Model	LT56L-300	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	R5914
Maximum working pressure	2070 kPa (300 psi)
Thread size	15NS (1/2" NPT)
Nominal K-factor	8.0 K(metric), l/min / kPa ^{0.5} (5.6 GPM/psi ^{0.5})
Nominal temperature rating	74°/100°C
Finishes	as per producer's technical data sheets
Material Specifications	
Thermal Sensor:	Fusible link
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				
Ident. type	Ident.	Title / description	Date issued (or date validated)	Source
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