



RSS Series Fixed-candela Strobes



- ▶ New UL Regulated voltage ranges of 8 V to 17.5 v or 16 V to 33 V using filtered DC or unfiltered FWR voltage
- ▶ Strobes produce 1 flash per second over the regulated voltage range; listed at 15 cd, but providing 75 cd on axis
- ▶ ADA/NFPA/ANSI compliant
- ▶ Zero inrush above peak
- ▶ Compatible with SM and DSM Synchronization Modules
- ▶ Fast installation with screw terminals using 18 AWG (1.2 mm) to 12 AWG (2.3 mm) diameter wire

These Wheelock fixed-candela strobes provide intensities of 15/75 cd.

They can be synchronized when used with the SM (single) and DSM (dual) Synchronization Modules or a compatible control panel. Synchronized strobes can eliminate possible restrictions on the number of strobes in the field of view. When synchronized, these strobes comply with ADA requirements concerning photosensitive epilepsy and meet the requirements of NFPA 72.

Certifications and Approvals

Wheelock, Inc. holds these Listings and Approvals:

Listings and Approvals	UL UUKC: Signaling Appliances and Equipment for Hearing Impaired (UL1971) CSFM 7125-0785: 141 City of Chicago Bureau of Fire Protection Factory Mutual Research NYC/MEA (151-93-E, Vol. 19, 151-93-E, Vol. 20)
Complies with:	Americans with Disabilities Act (ADA) American National Standards Institute (ANSI 117.1) International Standards Organization (ISO) National Fire Protection Association (NFPA 72) Occupational Safety and Health Administration (OSHA 29 Part 1910.165)

Installation/Configuration Notes

Compatible Products

The following products are compatible with the RSS Series Strobes:

Category	Product ID	Product Description
Control	D7024 ¹	Addressable FACP
Panels	D7024	Conventional FACP
	D8024 ²	Analog FACP
	D9124 ²	Addressable FACP
	D10024A ²	Analog FACP
Modules	SM-12/24-R	Single synchronization module (red)
	DSM-12/24-R	Dual synchronization module (red)

¹ When used with a D7039 Multiplex Expansion Module, the D7024 becomes an addressable fire alarm control panel (FACP).

² For synchronization, use the SM or DSM Synchronization Modules with these control panels.

Mounting Considerations

These strobe appliances use an integral strobe mounting plate for mounting on the indicated back boxes for the indicated applications:

	Conduit Applications	Surface Mounted	Flush Mounted
Single-gang			•
Double-gang		•	•
Four-inch square			•
100-mm European			•
BB-R	•	•	
SHBB-R		•	

All models have an attractive cover plate for a clean, finished appearance.

Wiring

Note Do not use these units in coded or pulsed signaling circuits.

The input terminals accept wires with diameters between 18 AWG (1.2 mm) and 12 AWG (2.3 mm).

Parts Included

Quant.	Component
1	Strobe
1	Hardware pack
1	Literature pack

Technical Specifications

Mechanical Properties

Dimensions (H x W x D): 4.75 in. x 4.75 in. x 2.5 in.
(12.1 cm x 12.1 cm x 6.4 cm)

Material: Molded plastic enclosure incorporating a Xenon flashtube and Lexan® lens.

Environmental Considerations

Relative Humidity: Up to 95%, non-condensing

Temperature (Operating): 0°C to +49°C (+32°F to +120°F)

Power Requirements

Current Draw at 8 VDC to 17.5 VDC: 15/75 cd: 255 mA RMS maximum

Current Draw at 8 FWR to 17.5 FWR: 15/75 cd: 335 mA RMS maximum

Current Draw at 16 VDC to 33 VDC: 15/75 cd: 90 mA RMS maximum

Current Draw at 16 FWR to 33 FWR: 15/75 cd: 145 mA RMS maximum

Voltage (12 V nominal): 8 VDC or FWR to 17.5 VDC or FWR

Voltage (24 V nominal): 16 VDC or FWR to 33 VDC or FWR

*Although Listed under UL1971 at 15 cd, the strobe produces 75 cd on axis.

Trademarks

Lexan® is either a trademark or a registered trademark of General Electric Company in the United States and other countries.

Ordering Information

RSS-121575W-FR 12 VDC Wall-Mount Strobe (square, red) RSS-121575W-FR

RSS-121575W-FW 12 VDC Wall-Mount Strobes (square, white) RSS-121575W-FW

RSS-241575W-FR 24 VDC Wall-Mount Strobe (square, red) RSS-241575W-FR

RSS-241575W-FW 24 VDC Wall-Mount Strobes (square, white) RSS-241575W-FW

Hardware Accessories

BB-R Steel Back Box BB-R

DBB-R Steel Back Box (red) DBB-R

NATP-R Trim Plate (red) NATP-R

NATP-W Trim Plate (white) NATP-W

RP-R Retrofit Plate (red) RP-R

SBB-R Surface-mount Back Box (red) SBB-R

SBB-W Surface-mount Back Box (white) SBB-W

SFP-R Semi-flush Plate (red) SFP-R

SHBB-R Shallow Surface Back Box (red) SHBB-R

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