

# Notification Appliances

## `SL' Series – High-Fidelity Speaker | Speaker-Strobes

Applications: Indoor, Ceiling-Only

### Architect & Engineer Specifications

- Sophisticated series of notification appliances that meets fire-industry codes and regulations for commercial-building applications
- Compatible with the Siemens 50-point, 252-point and 504-point addressable fire alarm control panels (FACPs), and with:
  - Siemens Modular FACPs
  - Siemens PAD-series of NAC extenders
  - FireFinder® XLS / XLSV FACPs
  - Siemens dual-sync control (DSC) modules
- Innovative LED strobe technology provides an energy-efficient means for a significantly reduced current draw
  - Capability to have existing Xenon and new LED strobes in the same field-of-view
  - Fewer power supplies required, smaller wire gage, reduced wire runs
- Straightforward installation coupled with compact, modern design
  - No visible mounting screws
  - Manual (index finger) slide-setting adjuster
  - Four (4) field-selectable settings in one (1) device: 15cd | 30cd | 75cd | 95cd
- High-fidelity Sound Output:
  - High intelligibility at minimum wattage across a 300 to 8000 Hz frequency range
- Field-selectable power taps, 1/8 Watt to 2 Watts
- Faceplates ship in four (4) distinctive types:
  - "FIRE" | "ALERT" | "AGENT" | (blank)
- UL (1971 | 1480) and ULC Listed (ULC-S526 | - S541)
- FM approved
  - ADA | NFPA | FCC | ANSI | OSHA compliant

### Product Overview

Formed as the `SL'-series, Siemens is offering a latest version to its high-fidelity speakers and speaker-strobes of notification appliances. The Siemens `SL'-series offers an additional range of low and high candela settings that makes these sophisticated notification appliances ideal for new installs and retrofit applications.

With a vast frequency-response range (300 to 8000 Hertz), the `SLSPC'-series and `SLSPSC'-series feature leading intelligibility with crisp, clear voice messages and tone signaling, ideal for emergency communications, mass notification, voice evacuation and fire alarm.

The speaker portion of these appliances meets regulatory standards, per UL 464 (for 520 Hz.), in order to comply with National Fire Protection Association requirements relative to 520 Hertz tone for Sleeping Areas.

The strobe portion of these appliances meets the 20 millisecond light-pulse-duration requirements of the 2016 edition of NFPA 72. This feature allows existing Xenon and the new LED devices to be used in the same field-of-view.

In a single device, the `SL'-series can provide alarm-signaling tones for dual applications. All strobe models in the series feature multi-candela settings (15 | 30 | 75 | 95cd) on a single appliance.

The `SL'-series of speakers and speaker-strobes are produced in a sleek, modern design. Its design and fitting provide high-quality energy efficiency in an aesthetically pleasing, low-profile design that is consistent to the look of the interior composition of the building application.

This series of `SL'-series appliances is specific to indoor, ceiling-mount applications. Each model incorporates a front-end, snap-on grille cover, and mounts to standard electrical hardware. Therefore, no additional trim plate or adapter is required.

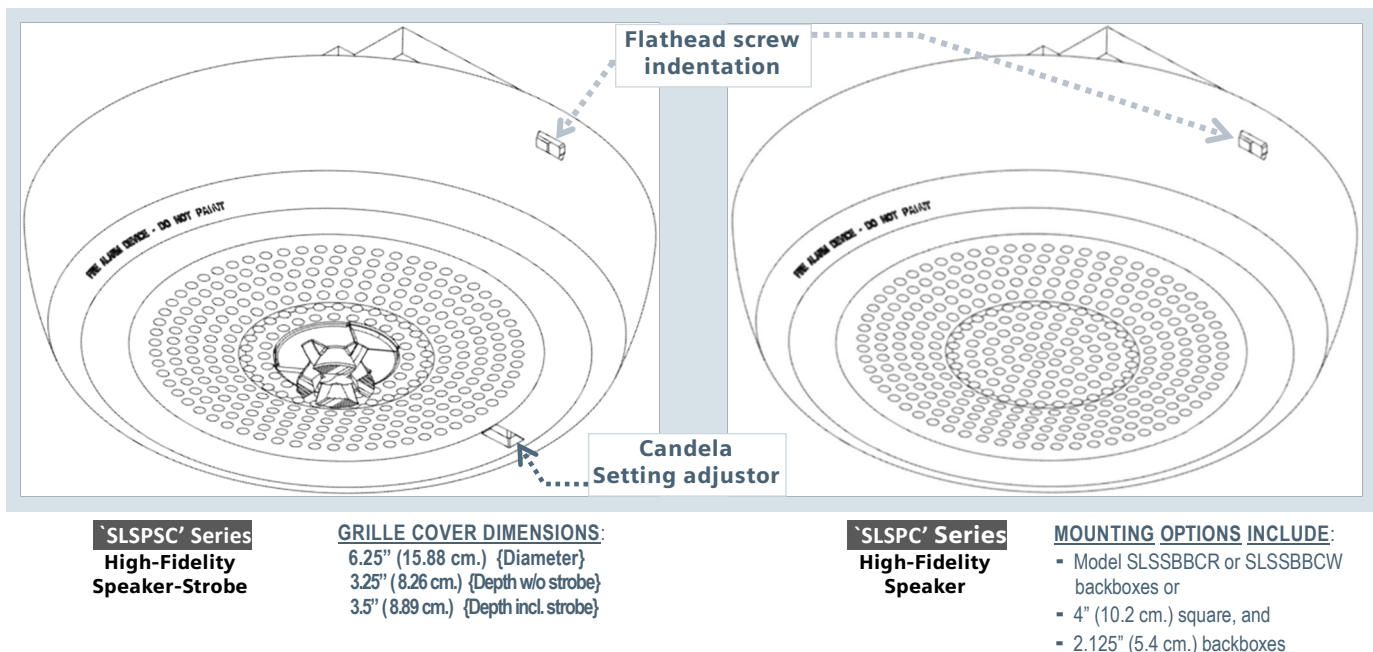


**Model SLSPCW-N**  
High-Fidelity Speaker



**Model SLSPSCR-F**  
High-Fidelity Speaker-Strobe





## Specifications

In terms of composition and functionality, Models `SLSPC`-series, and `SLSPSC`-series provide added value to the installer for the types of applications for operation:

- Compact | sleek | low-profile design
- Comprehensive feature list
- Convenient mounting options
- Easy-to-adjust selection-slider switch for candela settings
  - No tools required for setting changes
  - Multi-level settings: 15cd | 30cd | 75cd | 95cd
- Reduced current draw, via cutting-edge LED technology

The LED portions of the Siemens `SL`-series of speakers and speaker-strobes meet the 20 millisecond light-pulse-duration requirements of the 2016 edition of NFPA 72. By meeting this latest requirement, existing Xenon - as well as the new LED-technology devices - can now be in the same field-of-view. In addition to the launched product line of Siemens `SL`-series of speaker-strobes, Siemens also offers an existing range of products with low-and-high candela settings that meet retrofit and new-construction applications.

The speaker and speaker-strobes in this Siemens `SL`-series of notification appliances have received a comprehensive feature list, including low current draw; dual-voltage (25/70 VRMS) capability; field-selectable taps from  $\frac{1}{8}$  to 2 Watts; and no tools needed for setting changes. The low-profile design incorporates a speaker mounting plate for faster and easier installation. Each model has a built-in level adjustment feature and a snap-on grille cover. All inputs employ IN / OUT wiring terminals for fast installation using #12 to #18 AWG wiring.

This would include the following existing model-types: `CH` | `HS` | `MTH` | `S-HQ` | `SA` | `SE` | `SEF` | `SET` | `ST` | `STH` | `ZR` and `ZH` Series notification appliances. The regulatory listing also includes the capability for installing the Siemens `SL`-series speaker-strobes in the same notification zone and field-of-view with any existing Siemens Notification Appliance Xenon-based strobes.

All types of these high-fidelity speakers and speaker-strobes are UL Listed (for indoor use under Standard 1971 and 464), as well as ULC-S525 | ULC-S526 Listed. The Siemens `SL`-series speaker-strobes also have ADA | RoHS and ICES approval.

## Electrical Ratings

### Ceiling Mount | Speaker Output Ratings| UL

	1/8 Watts	1/4 Watts	1/2 Watts	1 Watt	2 Watts
MODELS 'SLSPC' SERIES:	75	79	82	85	87
'SLPSC' SERIES:	75	79	82	85	87

### Ceiling Mount | Speaker Output Ratings| ULC

	1/8 Watts	1/4 Watts	1/2 Watts	1 Watt	2 Watts
MODELS 'SLSPC' SERIES:	75	79	82	85	87
'SLPSC' SERIES:	75	79	82	85	87

<sup>^</sup>RMS current ratings are per UL maximum RMS method.

UL max current rating is the maximum RMS current within the listed voltage range (16 - 33V for 24V units)

<sup>^</sup> For audible appliances, the max current is usually at the maximum listed voltage (16 - 33V for 24V units)

<sup>^</sup> For unfiltered FWR ratings, see installation instructions

### Ceiling Mount | Strobe Output Current Draw

UL   ULC Current Ratings ( in Amps ) RMS Current @ 24 Volts DC					
MODEL 'SLSPC' SERIES: <sup>^</sup>	Regulated Voltage Range	15cd	30cd	75cd	95cd
	16.0 – 33.0 Volts DC	0.040	0.058	0.171	0.256

#### GENERAL NOTES:

1. Strobes are designed to flash at 1-flash-per-second minimum over their "Regulated Voltage Range."
2. NFPA-72 specifies a flash rate of 1-to-2 flashes-per-second, and guidelines for the Americans with Disabilities Act (ADA) specify a flash rate of 1-to-3 flashes-per-second.
3. All candela ratings represent minimum effective Strobe intensity based on UL 1971.

## Technical Data

### General Properties

MODEL SL'-series	
OPERATING TEMPERATURE:	<ul style="list-style-type: none"> <li>32°F (0°C) to 122°F (50°C)</li> <li>for indoor applications only</li> </ul>
RELATIVE HUMIDITY:	93%, maximum
OPERATING VOLTAGE RANGES:	<ul style="list-style-type: none"> <li>25 / 70 VRMS</li> <li>field-selectable power taps: 1/8 Watt to 2 Watts</li> </ul>
STROBE OUTPUT RATING:	<ul style="list-style-type: none"> <li>UL 1971, ULC-S526</li> <li>Field-selectable candela outputs: 15cd   30cd   75cd   95cd</li> </ul>
STROBE FLASH RATE:	Strobes are designed to flash at one-flash-per-second
STROBE SYNCHRONIZATION:	<ul style="list-style-type: none"> <li>all Siemens addressable panels</li> <li>Siemens PAD-series NAC extenders</li> <li>Siemens dual-sync (DSC) modules, which provide the unique Siemens proprietary synchronization protocol</li> </ul>
FREQUENCY RANGE:	300 Hz to 8000 Hz.

### Physical Properties

MODEL SL'-series					
MATERIAL:	<ul style="list-style-type: none"> <li>White-or-red textured, ultraviolet (UV) stabilized, colored impregnated engineered plastic</li> <li>Exceeds 94V-0 UL flammability rating</li> </ul>				
WEIGHT:	<table border="1"> <tr> <td>Speaker-Strobe:</td> <td>1.54 Lbs. (0.7 Kg.)</td> </tr> <tr> <td>Speaker Backbox:</td> <td>0.44 Lb. (0.2 Kg.)</td> </tr> </table>	Speaker-Strobe:	1.54 Lbs. (0.7 Kg.)	Speaker Backbox:	0.44 Lb. (0.2 Kg.)
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Speaker Backbox:	0.44 Lb. (0.2 Kg.)				
LENS TYPE:	LED strobe situated in a rugged Lexan lens				
DIMENSIONS:	6.25" (15.88 cm.) {Diameter} 3.25" (8.26 cm) {Depth w/o strobe} 3.5" (8.89 cm) {Depth incl. strobe}				

### Mounting and Wiring Properties

MODEL SL'-series	
INDOOR MOUNTING:	<ul style="list-style-type: none"> <li>Ceiling-mount applications</li> <li>Model SLSSBBC backboxes or to 4" (10.2 cm.) square, and to 2.125" (5.4 cm.) backboxes</li> </ul>
WIRING TYPE:	#12 – #18, American Wire Gauge (AWG)

## Details for Ordering

MODEL	PART NUMBER	APPLIANCE TYPE	UL	ULC	MOUNTING TYPE	STROBE TYPE	FACEPLATE COLOR	FACEPLATE LETTERING
SLSPCW-F	S54329-F41-A1	Speaker	✓	—	Ceiling	– None –	WHITE	FIRE
SLSPCR-F	S54329-F41-A2		✓	—	Ceiling	– None –	RED	FIRE
SLSPSCW-F	S54329-F42-A1	Speaker-Strobe	✓	—	Ceiling	Clear	WHITE	FIRE
SLSPSCR-F	S54329-F42-A2		✓	—	Ceiling	Clear	RED	FIRE
SLSPSCW-AL	S54329-F49-A1	Speaker-Strobe	✓	✓	Ceiling	Clear	WHITE	ALERT
SLSPSCR-AL	S54329-F49-A2		✓	✓	Ceiling	Clear	RED	ALERT
SLSPCR-AL	S54329-F50-A1	Speaker	✓	✓	Ceiling	– None –	RED	ALERT
SLSPCW-AL	S54329-F50-A2		✓	✓	Ceiling	– None –	WHITE	ALERT
SLSPCR-N	S54329-F51-A1	Speaker	✓	✓	Ceiling	– None –	RED	– None –
SLSPCW-N	S54329-F51-A2		✓	✓	Ceiling	– None –	WHITE	– None –
SLSPSCW-ALA	S54329-F52-A1	Speaker-Strobe	✓	✓	Ceiling	Amber	WHITE	ALERT
SLSPSCR-ALA	S54329-F52-A2		✓	✓	Ceiling	Amber	RED	ALERT
SLSPSCW-NA	S54329-F53-A1	Speaker-Strobe	✓	✓	Ceiling	Amber	WHITE	– None –
SLSPSCR-NA	S54329-F53-A2		✓	✓	Ceiling	Amber	RED	– None –
SLSPCW-A	S54329-F65-A2	Speaker	✓	✓	Ceiling	– None –	WHITE	AGENT
SLSPSCW-A	S54329-F66-A1	Speaker-Strobe	✓	✓	Ceiling	Clear	WHITE	AGENT
SLSPSCR-A	S54329-F66-A2		✓	✓	Ceiling	Clear	RED	AGENT
SLSPSCW-N	S54329-F68-A1	Speaker-Strobe	✓	✓	Ceiling	Clear	WHITE	– None –
SLSPSCR-N	S54329-F68-A2		✓	✓	Ceiling	Clear	RED	– None –
SLSPSCW-FB	S54329-F81-A1	Speaker-Strobe	—	✓	Ceiling	Clear	WHITE	PICTOGRAM
SLSPSCR-FB	S54329-F81-A2		—	✓	Ceiling	Clear	RED	PICTOGRAM

**NOTICE** – The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice. The product(s) described here has/have a specific instruction sheet(s) that cover various technical, limitation and liability information.

Copies of install-type, instruction sheets – as well as the *General Product Warning and Limitations* document, which also contains important data, are provided with the product. All are available from the Manufacturer.

Data contained in the aforesaid type of documentation should be consulted with a fire-safety professional before specifying or using the product.

Any further questions or assistance concerning particular problems that might arise, relative to the proper functioning of the equipment, please contact the Manufacturer.



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