

Speakers and LED Speaker Strobes

TRIGA LED audible visible notification products are rich with features guaranteed to cut installation times and maximize profits with lower current draw and modern aesthetics.

Features

- LED technology provides lower current draw
- Digital Volt Meter (DVM) diagnostic test points for Speaker Strobes
- Common aesthetics across the L-Series platform
- Tamper-resistant construction
- Field-selectable candela settings on wall units: 15, 30, 75, 95, 110, 135, and 185
- Field-selectable candela settings on ceiling units: 15, 30, 75, 95, 115, 150, and 177
- Rotary switches for candela, speaker voltage (25 and 70.7 Vrms) and power settings (1/4, 1/2, 1, and 2 watts)
- Mounting plate provides plug-in design for easier installation and shorting springs to check wiring continuity
- Electrically compatible with legacy SpectrAlert, SpectrAlert Advance and L-series devices at 16-33 VDC
- Synchronization through use of UL approved power supplies that support System Sensor Sync protocol or System Sensor MDL Sync Module
- Speakers and Speaker strobes listed for wall or ceiling use
- No extension ring required
- Speakers offer high fidelity and high volume sound output
- 520 Hz capable with compatible Fire alarm control panel (FACP)

Agency Listings



TRIGA LED platform offers the most versatile and easy-to-use line of speakers and speaker strobes in the industry with lower current draw and modern aesthetics. LED lighting technology offers significantly lower current draw compared to older Xenon bulbs across a full candela range. This improves design flexibility for notification appliance circuits (NACs) while also reducing power supply requirements allowing for simpler and lower cost installations.

Flexible design options meet virtually any application requirement: wall or ceiling mount, red or white color choices, bezel kits for alternate markings and languages, and LED color lenses for distinctive visual signaling. In addition, installers can easily adapt devices using field selectable candela, using rotary switches.

The TRIGA LED line is developed to simplify installation. All devices feature plug-in designs with minimal intrusion into the back box, making installations fast and foolproof while virtually eliminating costly and time-consuming ground faults. The universal mounting plate includes an onboard shorting spring, so installers can test wiring continuity before the device is installed.

The low harmonic distortion of the speaker offers high fidelity sound output while offering high volume sound output for use in high ambient noise applications.

In addition, the TRIGA LED notification appliances offer a new diagnostic test point feature that allows you to measure device voltage with a digital voltage meter (DVM) without removing the appliance from the wall or ceiling. The DVM test points are discreetly located on the face of the notification appliance which enable faster troubleshooting and end of line (EOL) voltage checks while greatly reducing the risk of misplacing or damaging appliances during troubleshooting.



Product Specifications

Physical/Electrical Specifications	
Standard Operating Temperature	32°F to 120°F (0°C to 49°C)
Humidity Range	10 to 93% non-condensing
Power	¼, ½, 1, 2 Watts
Frequency Range	400 to 4000 Hz
Maximum Supervisory Voltage (Speakers)	50 VDC
Maximum Supervisory Voltage (Strobe)	33 VDC
Strobe Flash Rate	1 Flash Per Second
Nominal Voltages, Speakers	25 Volts or 70.7 Volts (nominal)
Nominal Voltage, Strobe	Regulated 24 VDC
Operating Voltage Range, Strobe	16 to 33 VDC
Input Terminal Wire Gauge	12 to 18 AWG

Dimensions	
Wall Speaker Strobes (including lens)	6.5"L x 5.00" W x 2.3" D (165.1mm L x 127mm W x 58.4mm D)
Wall Speaker Strobes (including lens) with SBBSPRL/WL Surface Mount Back Box	6.62" L x 5.12" W x 4.55" D (168.1mm L x 130mm W x 115.5mm D)
Ceiling Speaker Strobes (including lens)	6.8" diameter x 2.33" D (172.7mm x 59.2mm)
Ceiling Speaker Strobes (including lens) with SBBCRL/WL Surface Mount Back Box	6.9" diameter x 4.83" D (176mm x 122.7mm)
Wall SPL Speakers	6.5"L x 5.00" W x 0.97" D (165.1mm L x 127mm W x 23mm D)
Wall Speakers with SBBSPRL/WL Surface Mount Back Box	6.62" L x 5.12" W x 3.2" W (168.1mm x 130mm x 81.2mm)
Ceiling SPC Speakers	6.8" diameter x 1.0" D (173mm x 25mm)
Ceiling Speakers with SBBCRL/WL Surface Mount Back Box	6.9" diameter x 3.5" D (176mm x 89mm)

NOTE: SBBSPRL/WL Surface Mount Back Box intended for speaker strobes and speakers.

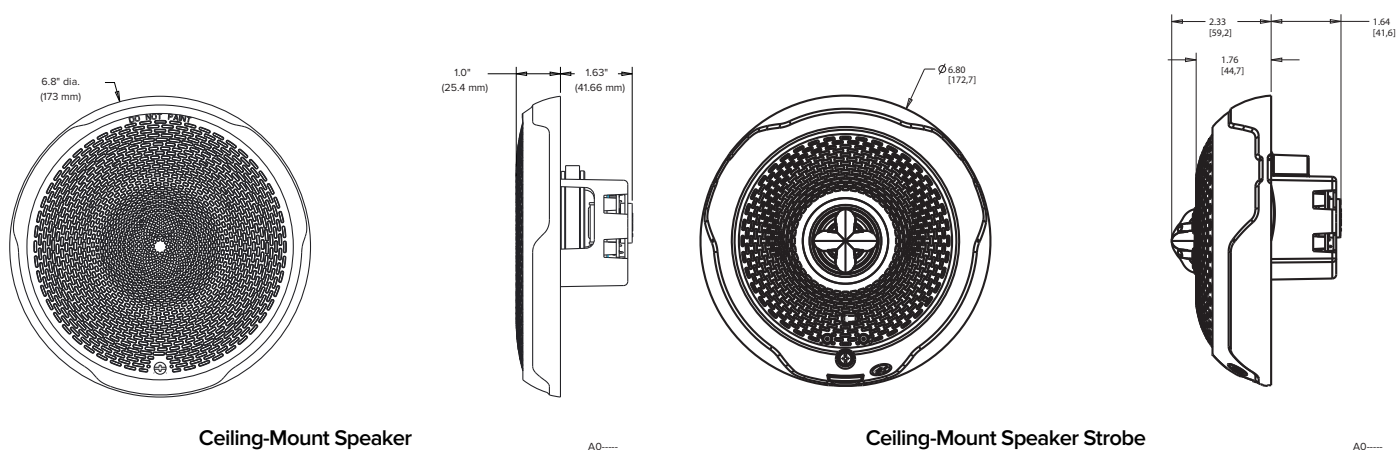
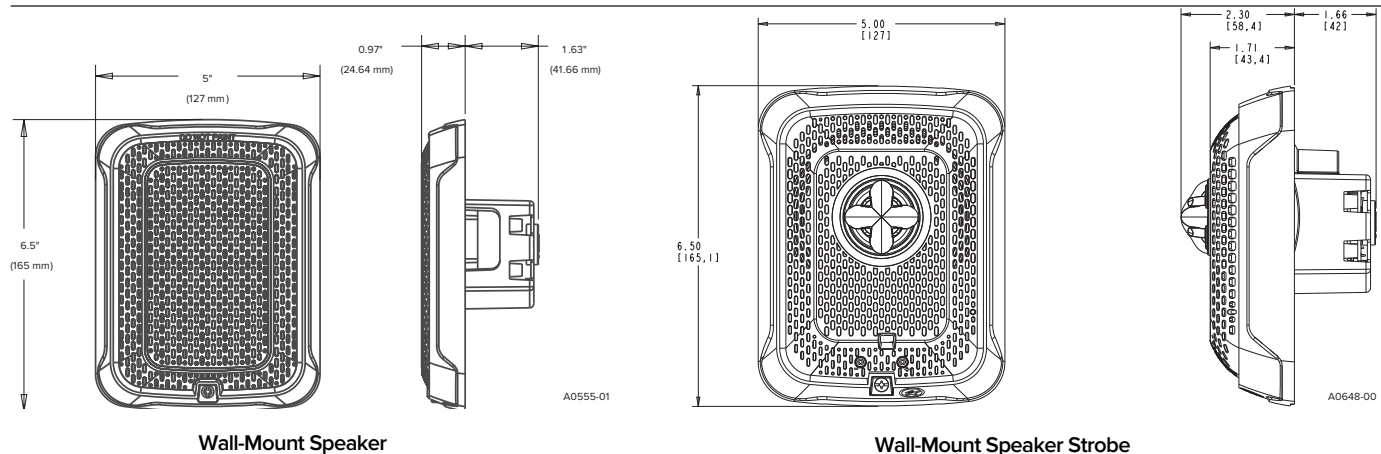
Minimum Speaker Strobe Sound Output				
	¼ W	½ W	1 W	2 W
UL Reverberant (dBA @10 ft)	76	79	82	83
UL Anechoic (dBA @10 ft)	76	79	82	83
Minimum Speaker Only Sound Output				
	¼ W	½ W	1 W	2 W
UL Reverberant (dBA @10 ft)	79	82	85	88
UL Anechoic (dBA @10 ft)	79	82	85	88

UL Maximum Strobe Current Draw (mA)

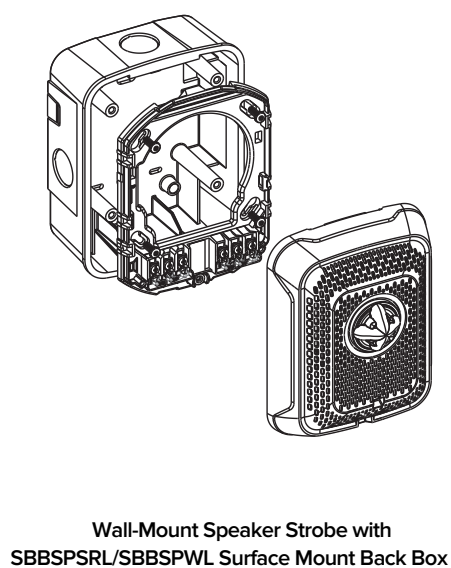
UL Max Strobe Current Draw (mA RMS)	
Candela Rating	16 to 33 Volts DC
15	18
30	22
75	70
95	75
110	85
115	90
135	105
150	110
177	115
185	120
FCP*	(future)

*FCP Fire Control Panel, future use

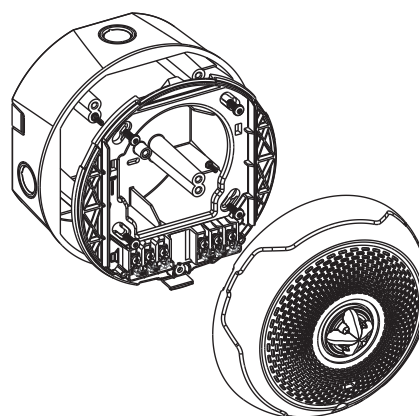
Dimensions



LED: Surface Mount Back Box



A0649-00



A0650-00



Ordering Information

Model	Description
LED Speaker Strobes	
TR-SPSCRLED	2-Wire, Speaker Strobe Led Red Ceiling
TR-SPSCWLED	2-Wire, Speaker Strobe Led White Ceiling
TR-SPSRLED	2-Wire, Speaker Strobe Led Red Wall
TR-SPSWLED	2-Wire, Speaker Strobe Led White Wall
Speaker	
TR-SPCRL	2-Wire, Speaker Red Ceiling
TR-SPCWL	2-Wire, Speaker White Ceiling
TR-SPRL	2-Wire, Speaker Red Wall
TR-SPWL	2-Wire, Speaker White Wall
Accessories	
SBBSPR	Back Box, Wall, Speaker, Red
SBBSPW	Back Box, Wall, Speaker, White
SBBCRL	Back Box, Ceiling, Speaker, Red
SBBCWL	Back Box, Ceiling, Speaker, White
TR-2	Trim Ring, Wall, Red
TR-2W	Trim Ring, Wall, White
TRC-2	Trim Ring, Ceiling, Red
TRC-2W	Trim Ring, Ceiling, White
LED Lenses	
LENS-A3	Lens Led Amber Wall/Ceiling
LENS-B3	Lens Led Blue Wall/Ceiling
LENS-G3	Lens Led Green Wall/Ceiling
LENS-R3	Lens Led Red Wall/Ceiling

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