

STH Cluster with one Eluxa LED Strobe



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Description

The Wheelock STH cluster speaker with ELSTC ceiling strobe is designed for indoor ceiling mounting in high ambient noise environments. It is available with 2, 3 or 4 speakers for wide area coverage. The cluster speaker strobe is supplied with STH-15SR (UL1480 Listed) horns and one ELSTC ceiling strobe mounted to a NEMA 1 steel enclosure. The strobe is synchronizable. The STH cluster speaker with ELSTC strobe comes fully assembled.

STH-4R-ELSTC

Supplied with four STH-15SR horns and one ELSTC strobe. The strobe has the following options:

- Red with no lettering
- Red with FIRE lettering

STH-3R-ELSTC

Supplied with three STH-15SR horns and one ELSTC strobe. The strobe has the following options:

- Red with no lettering
- Red with FIRE lettering

STH-2R-ELSTC

Supplied with two STH-15SR horns and one ELSTC strobe. The strobe has the following options:

- Red with no lettering
- Red with FIRE lettering

Finish Color: Red

Mounting: Ceiling

Enclosure Size: Prefabricated 10" x 10" x 6" steel enclosure

Sensitivity: 101 dB @ 15 watts @ 10 ft. per horn

Strobe Candela: Selectable 15/30/75/110/150/177

Approvals: UL Standard 1480 STH-15SR Horns, UL 1971 Eluxa Strobes

Option: Wall mount and weatherproof clusters are available. Contact customer service for information.

Speaker Voltage: 25 or 70.7 VRMS

Applications

Designed for use in manufacturing plants and factories with high ambient noise levels and for UL Required Fire Life Safety Applications.

- Hazard warning/alerting
- Industrial audible and visual signaling
- Process control area notification
- Warning lights
- Security alert indication
- Emergency notification
- Employee notification

Features & benefits

STH-15SR Speakers are UL Standard 1480 Listed; Eluxa ELSTC Strobes are UL Standard 1971 Listed

- Compliant with ADA, OSHA 1910.165, ANSI 117.1, NFPA 72, NFPA 101, and IFC
- Cluster and strobe wiring can be monitored for integrity by the control panel
- Cluster speaker strobes come fully assembled
- High-efficiency unit for fire life safety and/or general communication announcing/notification
- Provides for high-intelligibility voice reproduction and high-intensity visual alerting for emergency life safety applications, alarm and protective signaling
- Speakers and strobes are preassembled to a 10" x 10" x 6" NEMA 1 steel enclosure for indoor use
- Mounts to ceiling
- Only 1 pair of wires needed for audio connections
- Strobes are connected to the NAC strobe circuit and are selectable 15/30/75/110/150/177 candela
- Each individual STH-15SR horn can deliver up to 101 dB at 15 watts at 10 feet
- Cluster speakers deliver omni-directional sound
- Conduit knockouts for 1/2" or 3/4" coupling

Please read these specifications and associated installation instructions before using, specifying, or installing this product. Visit Eaton.com/mass_notification for current installation instructions.

General notes

STH-15SR Horn Loudspeakers

- UL Standard 1480 Listed
- Supervised weatherproof horn speaker
- Up to 15 watts RMS of power handling capability
- Superior intelligibility and sound dispersion
- Built-in 25/70 Volt transformer with screwdriver adjustable wattage selector
- Frequency response: 400–4,000 Hz
- Power taps:
 - 25 Volts: 0.48, 0.94, 1.8, 7.5, and 15
 - 70 Volts: 0.9, 1.8, 3.8, 7.5, and 15
- Swivel mounted for easy angle adjustment
- Refer to Data Sheet TD450078EN for detailed specs on horn

Eluxa LED ELSTC Strobe

- UL Standard UL 1971, UL 1638, ULC-S526 listed
- High intensity selectable 15, 30, 75, 110, 150, 177 cd strobe
- Factory setting is 177 candela
- Synchronizable when used with DSM or Wheelock's power supplies or Wheelock's SAFEPATH
- Finger slide switch--No tools needed for candela setting change
- Ability to mix xenon and LED strobes in the same field of view
- Refer to Data Sheet TD450157EN for detailed strobe specs

Table 1. Specifications and ordering information

STH Cluster with Eluxa Ceiling Strobe

Model Number	Finish	Strobe Plate	Order Code			
4 Horns						
STH-4R-ELSTC-F	Red	FIRE	1638			
STH-4R-ELSTC-N	Red	no ltr	1641			
3 Horns						
STH-3R-ELSTC-F	Red	FIRE	1639			
STH-3R-ELSTC-N	Red	no ltr	1642			
2 Horn						
STH-2R-ELSTC-F	Red	FIRE	1640			
STH-2R-ELSTC-N	Red	no ltr	1643			
UL Max. Strobe Current						
	15	30	75	110	150	177
24 VDC	0.022	0.030	0.060	0.086	0.125	0.185
24VFWR	0.036	0.050	0.092	0.142	0.196	0.274

Architects and engineers specifications

The cluster speaker strobe shall be the STH with ELSTC Strobe or approved equal. The cluster speaker strobe shall be designed for indoor ceiling mounting for high ambient noise environments. The speaker strobe shall be supplied with UL Standard 1480 listed horn(s) and one UL Standard 1971 listed ceiling strobe mounted to a NEMA 1 steel enclosure. The strobe shall be synchronizable with selectable 15/30/75/110/150/177 candela settings. The cluster speaker and strobe shall be fully assembled. The cluster speaker and strobe shall be capable of use for UL Required Fire Life Safety applications. The cluster speaker and strobe wiring shall be able to be monitored for integrity by the control panel.

The STH cluster speaker with ELSTC strobe shall comply with NFPA 72, NFPA 101, OSHA 1910.165, ANSI 117.1, ADA, and IFC.

The speaker horns shall measure 7.87"W x 8.75"H x 9.32"D each and shall be preassembled on the sides of a 10" x 10" x 6" steel enclosure.

The Strobe shall be a high-intensity selectable 15/30/75/110/150/177 candela ceiling strobe with a current draw of 0.022 amps for 15cd @ 24 VDC or 0.185 amps for 177 cd @ 24VDC, and shall be preassembled on the cover of the steel enclosure.

Mounting of the cluster speaker strobe shall be accomplished by using pre-drilled holes in the enclosure or by drilling new holes in order to be compatible with mounting conditions during installation.

Note: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Cooper Wheelock, Inc., dba Eaton, standard terms and conditions.

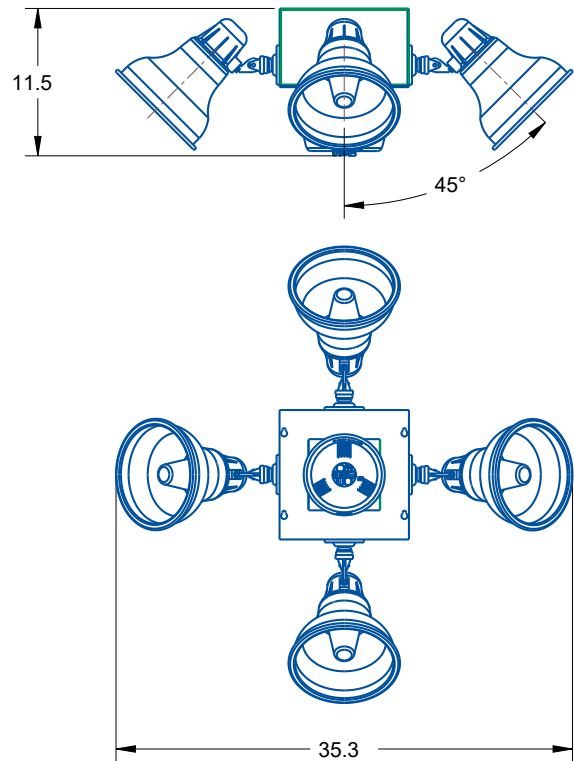


Figure 1. STH Cluster speaker front view



WE ENCOURAGE AND SUPPORT NICET CERTIFICATION
3-YEAR WARRANTY

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Publication No. TD450184EN
March 2024



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