

Wheelock Eluxa

# Eluxa

Best-in-class, next generation  
LED notification appliances



**EATON**

*Powering Business Worldwide*





## We make safe & sound work

When it comes to protecting life and property, there's no room for compromise. The leading solutions for life safety and mass notification from Eaton are designed to save lives. In the most demanding industrial and commercial environments, we make safe and sound work. Because that's what really matters.

Eaton specializes in the notification aspect of life safety. This enables us to focus on advancing technology in this critical market. For a

century, our Wheelock product lines have stood for innovation. A trusted product line with proven experience, Eaton offers many industry firsts. From designing the industry's first xenon fire alarm strobes to developing the industry's first LED strobes, we've utilized 100 years of alert signaling expertise to perfect audible and visual appliance technology.

## Introducing Eluxa

Best-in-class, next generation LED notification appliances

Eluxa features a complete portfolio of indoor notification appliances with a comprehensive range of low and high candela settings, six candela settings in a single device. Utilizing the latest advancements in LED technology, Eluxa features the industry's lowest current draw across the full candela range, providing the ultimate in energy efficiency. Competitive models can draw up to 3 times the current, and an average circuit consumes 70% more current than Eluxa devices. This substantially reduces overall power consumption, allowing for a greater number of appliances on the NAC and fewer power supplies, resulting in significant material and system cost savings.

In addition, Eluxa features a compact, aesthetically pleasing design that doesn't detract from building décor.

The product line has been UL/ULC listed as compatible with all fire alarm control panels and accessories that have been determined to be compatible with Wheelock RSS strobe-based products and Exceder LED3. This means Eluxa devices are backward compatible with one of the largest installed bases in the country. It also meets the 20-millisecond light pulse duration requirements of NFPA 72 2016. By meeting this requirement, the Eluxa product line has been listed by UL to allow mixing of Wheelock legacy xenon devices in the same field of view.

## Eluxa horns, horn strobes, & strobes

Lowest current draw = System cost savings

Eluxa is feature rich with six candela settings and three horn patterns: Continuous, T3, T3/T4 in a single device, which not only reduces customers' inventory but also is an industry first by combining both fire alarm and carbon monoxide (CO) over the same two wires. Activation is accomplished through digital communication. To reduce installation time, Eluxa includes pre-wire/pre-test via a rigid mounting plate with hinged feature and no tools needed for setting changes. The ELST strobe, ELHS horn strobe, and the ELHN horn are for 24V operation. ELHN is also suitable for 12V applications.

### Energy efficient

- LED technology provides industry's lowest current draw for a combined high and low candela device
- Fewer power supplies required, smaller wire gage, reduced wire runs

### Compatibility

- UL/ULC listed as compatible with all Fire Alarm Control Panels (FACP) and accessories that have been determined to be compatible with Wheelock RSS strobe-based products and Exceder LED3
- Ability to mix LED and xenon strobes in the same field of view
- Meets stringent synchronizing standards for strobes with Wheelock's DSM Sync Modules, PS Power Supplies, Intelligent Notification Controller, or SAFEPATH products.

### Low profile design

- One of the smallest, most compact single-gang designs
- Sleek, modern aesthetics with no visible mounting screws

### Sound pressure (Anechoic) dBA

- Low 86, High 91 (for Continuous, T3, and T4)

### Special lettering and amber and blue lens

### 6 Field selectable settings (clear and amber lens models)

- Wall: 15, 30, 75, 110, 135, 185 cd
- Ceiling: 15, 30, 75, 110, 150, 177 cd

### 3 Horn patterns

- 3 horn patterns: Continuous, T3, and T3/T4; Fire and CO signaling

### Easy-to-install

- Mounting plate included with all models: Convenient capture hinge allows installers to easily hold the device while fastening the single-mount screw in place
- Pre-wire/pre-test capability to check for wiring and ground faults prior to appliance installation
- Finger slide switches—No tools needed for setting changes
- IN/OUT screw terminals using #12 to #18 AWG wires
- Mounting options include ELSBB, any single-gang backbox and to 4" square with adapter kit for wall models and LSPKBB-C backboxes and 4" square, 1 1/2" or 2 1/8" deep

### Compliance & approvals

- NFPA 72 2016 (meets maximum light pulse duration of 20 ms)
- UL 1971, UL 1638, UL 464; ULC-S525, ULC-S526
- California State Fire Marshal (CSFM)
- Factory Mutual (FM)
- ADA/NFPA/ANSI/OSHA

Save on average **70% in NAC** current draw

Reduced inventory; Up to **6** models in **1** appliance

Fewer power supplies & batteries, lower installation costs, lower maintenance costs





## Eluxa high fidelity speakers and speaker strobes

With the industry's widest frequency response range, our speakers provide crisp, clear voice messages



Clear, concise and intelligible voice messages that communicate how people should respond in an emergency are critical for life safety. At Eaton, we understand that you need a solution that not only meets your customer's intelligibility and reliability requirements but also provides overall system cost savings.

Designed for high-fidelity sound output, Wheelock's Eluxa speaker line not only features the widest frequency response range in the industry, but also advanced power-saving LED technology with a full range of high and low candela settings for indoor wall and ceiling-mount applications. With a response range of 300 to 8000 Hz,

Eluxa's ELSPK and ELSPST models provide leading intelligibility with crisp, clear voice messages, ideal for emergency communications, mass notification, and voice evacuation.

The Eluxa speaker strobes and speakers feature one of the industry's smallest footprints and a sleek, modern, low-profile design that will please building owners. It includes 5 field-selectable tap settings, 6-field selectable candela settings, and convenient wall- and ceiling-mounting options for both new and retrofit construction. Amber lens speaker strobes and special lettering are available.



### High fidelity sound output

- High intelligibility at minimum wattage across a frequency range of 300 to 8000 Hz

### Energy efficient

- LED technology provides industry's lowest current draw
- Fewer power supplies required, smaller wire gage, reduced wire runs

### Low-profile design

- Smallest footprint with sleek, modern aesthetics

### Special lettering and amber lens

### 6 Field selectable settings in 1 device

- Wall: 15, 30, 75, 110, 135, 185 cd
- Ceiling: 15, 30, 75, 110, 150, 177 cd

### 5 Field selectable taps and sound output

- 1/8 watt up to 2 watts (5W - 70V)
- 25 or 70 VRMS operation
- Anechoic sound level: 75-87 dBA, depending on tap setting

### Easy-to-install

- Mounting plate included with all models: Convenient capture

hinge allows installers to easily hold the device while fastening the single-mount screw in place

- Pre-wire/pre-test capability to check for wiring and ground faults prior to appliance installation
- Finger slide switches—No tools needed for setting changes
- Built-in level adjustment feature and snap-on grille cover
- IN/OUT screw terminals using #12 to #18 AWG wires
- Mounting options include ELSPKBB backboxes and 4" square, 2 1/8" deep backboxes for wall models and LSPKBB-C backboxes and 4" square, 2 1/8" deep backboxes for ceiling models. A shallow speaker backbox makes these ideal for retrofit applications.

### Strobe synchronization components

- Meet synchronizing standards with Wheelock's DSM Sync Modules, PS Power Supplies, Intelligent Notification Controller or SAFEPAH products
- Ability to mix xenon and LED strobes in the same field of view

### Compliance

- NFPA 72 2016 - 20 ms flash duration requirements
- UL 1971, UL 1638, UL 1480; ULC-S526, ULC-S541
- CSFM
- FM
- Low frequency requirements of UL 464 (520 Hz) to meet NFPA's 520 Hz tone requirements for sleeping areas
- ADA/NFPA/ANSI/OSHA





## Eluxa chimes and chime strobes



The Eluxa solid-state chimes (ELCH) and chime strobes (ELCHS) feature field selectable 1 Hz, 2 Hz, Coded, and Temporal 3 (T3) modes of operation. The chime strobe models include an advanced power saving LED technology with a full range of candela settings for indoor wall and ceiling-mount applications. Ideal for hospital and institutional applications, Eluxa is designed with a sleek, aesthetically pleasing low profile that blends with the building's interior décor.

### Sound output & modes of operation

- Anechoic sound level: Up to 78 dBA
- 890 Hz preset tone
- 1 Hz, 2 Hz, Coded, or Temporal 3 (T3)

### Energy efficient

- LED technology provides industry's lowest current draw for a combined high and low candela device
- Fewer power supplies required, smaller wire gage, reduced wire runs

### 6 Field selectable settings

- Wall: 15, 30, 75, 110, 135, 185 cd
- Ceiling: 15, 30, 75, 110, 150, 177 cd



Providing eight (8) alerting sounds in a single device, the Eluxa multitone horns and horn strobes will meet your signaling needs. The nationally and internationally recognized alerting sounds include Horn, Bell, March Time Horn, Code-3 Tone, Code-3 Horn, Slow Whoop, Siren or Hi/Lo Tone. Two field selectable sound output levels include standard and high. Audible and strobe can operate from a single NAC circuit or from separate NAC circuits with any of the (8) eight audible sounds.

### 8 signals in 1 device and sound output

- Horn, Bell, March Time Horn, Code-3 Tone, Code-3 Horn, Slow Whoop, Siren or Hi/Lo Tone
- Code-3 horn and tone patterns are engineered to comply with NFPA/ANSI Temporal Pattern specifications without requiring additional equipment
- Anechoic sound level: 81-99 dBA, varies by sound type

### Energy efficient

- LED technology provides industry's lowest current draw for a combined high and low candela device
- Fewer power supplies required, smaller wire gage, reduced wire runs

### Special lettering and amber, blue, green, and red lens

### Easy-to-install

- Mounting plate included with all models: Convenient capture hinge allows installers to easily hold the device while fastening the single-mount screw in place
- Pre-wire/pre-test capability to check for wiring and ground faults prior to appliance installation
- Finger slide switches—No tools needed for setting changes
- IN/OUT screw terminals using #12 to #18 AWG wires
- Mounting options include ELSPKBB backboxes and 4" square, 2 1/8" deep backboxes for wall models and LSPKBB-C backboxes and 4" square, 2 1/8" deep backboxes for ceiling models

### Compliance & approvals

- UL 1971, UL 1638, UL 464; ULC-S525, ULC-S526
- California State Fire Marshal (CSFM)
- Factory Mutual (FM)
- ADA/NFPA/ANSI/OSHA

## Eluxa low frequency sounders and sounder strobes

Meet both fire alarm and CO code requirements for sleeping areas



The Eluxa low-frequency sounder line not only enables organizations to meet sleeping room codes for fire alarm and CO signaling but also features high and low candela settings in 1 device. Eluxa provides two different sound patterns, T3 for fire detection and T4 for CO detection. The low-frequency sounders can replace a facility's existing appliances, utilizing the same single pair of wires that are currently installed, offering a simple retrofit to meet new codes for sleeping rooms. Indoor, wall, and now ceiling mount models are available, ideal for hotels, motels, dormitories, apartment buildings, and assisted living facilities.

### 3 horn patterns and sound output

- Continuous, T3, and T3/T4
- Fire and CO signaling in 1 device
- Anechoic sound level: 85 dBA

### 2 field selectable settings

- Wall: 110, 177 cd
- Ceiling: 110, 177 cd

### Special lettering: ALERT, CO, no lettering

### Low-profile design

- Smallest footprint with sleek, modern aesthetics

### Easy-to-install

- Mounting plate included with all models: Convenient capture hinge allows installers to easily hold the device while fastening the single-mount screw in place
- Finger slide switches—No tools needed for setting changes
- Built-in level adjustment feature and snap-on grille cover
- IN/OUT screw terminals using #12 to #18 AWG wires
- Mounting options include ELSPKBB backboxes, single-gang backboxes and 4" square backboxes for wall models and LSPKBB-C backboxes and 4" square, 2 1/8" deep backboxes for ceiling models

### Strobe synchronization components

- Meet synchronizing standards with Wheelock's DSM Sync Modules or Power Supplies

### Compliance

- NFPA 72 2016 - 20 ms flash duration requirements
- UL 1971, UL 1638, UL 464, ULC S525, ULC S526
- CSFM
- FM
- ADA/NFPA/ANSI/OSHA

## Eluxa multitones

### 6 Field selectable settings (clear & amber models)

- Wall: 15, 30, 75, 110, 135, 185 cd
- Ceiling: 15, 30, 75, 110, 150, 177 cd

### Easy-to-install

- Mounting plate included with all models: Convenient capture hinge allows installers to easily hold the device while fastening the single-mount screw in place
- Pre-wire/pre-test capability to check for wiring and ground faults prior to appliance installation
- Finger slide switches
- IN/OUT screw terminals using #12 to #18 AWG wires
- Mounting options include ELSPKBB backboxes and 4" square, 2 1/8" deep backboxes for wall models and LSPKBB-C backboxes and 4" square, 2 1/8" deep backboxes for ceiling models

### Compliance & approvals

- UL 1971, UL 1638, UL 464; ULC-S525, ULC-S526
- California State Fire Marshal (CSFM)
- Factory Mutual (FM)
- ADA/NFPA/ANSI/OSHA

# Lowest current draw across full candela range

Model	Regulated Voltage Range VDC	UL/ULC Max Current (24VDC)							
		15	30	75	110	135	150	177	185
<b>Strobes</b>									
ELST	16.0-33.0	0.022	0.030	0.060	0.086	0.125			0.185
ELSTC	16.0-33.0	0.022	0.030	0.060	0.086		0.125	0.185	
<b>Horn Strobes (High dbA*)</b>									
ELHS	16.0-33.0	0.037	0.046	0.077	0.109	0.146			0.208
ELHSC	16.0-33.0	0.037	0.046	0.077	0.109		0.146	0.208	
<b>(Low dbA*)</b>									
ELHS	16.0-33.0	0.030	0.039	0.070	0.102	0.139			0.201
ELHSC	16.0-33.0	0.030	0.039	0.070	0.102		0.139	0.201	
<b>Speaker Strobes</b>									
ELSPST	16.0-33.0	0.022	0.030	0.060	0.086	0.125			0.185
ELSPSTC	16.0-33.0	0.022	0.030	0.060	0.086		0.125	0.185	
<b>LF Sounder Strobes</b>									
ELFHS	16.0-33.0				0.164			0.256	
ELFHSC	16.0-33.0				0.164			0.256	
<b>Chime Strobes</b>									
ELCHS	16.0-33.0	0.044	0.052	0.082	0.108	0.147			0.207
ELCHSC	16.0-33.0	0.044	0.052	0.082	0.108		0.147	0.207	
<b>Multitone Strobes</b>									
Wall Strobe		0.022	0.030	0.060	0.086	0.125			0.185
Ceiling Strobe		0.022	0.030	0.060	0.086		0.125	0.185	
	<b>Add Audible Type</b>	<b>Horn</b>	<b>Bell</b>	<b>March Time</b>	<b>T3 Horn</b>	<b>T3 Tone</b>	<b>Slow Whoop</b>	<b>Siren</b>	<b>Hi/Lo</b>
	Audible Hi	0.108	0.053	0.104	0.122	0.135	0.098	0.104	0.057
	Audible Standard	0.044	0.024	0.087	0.035	0.035	0.037	0.036	0.025

\*UL/ULC Max Current at Anechoic high and low continuous dBA

**Eaton**  
1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
Eaton.com

**Eaton**  
Life safety & mass notification solutions  
273 Branchport Ave.  
Long Branch, NJ 07740  
Eaton.com/Lifesafetynotification

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