

Wheelock Eluxa outdoor

# Eluxa outdoor

Best-in-class, next-generation, weatherproof LED notification appliances

NEMA Type 3R/ IP54 and NEMA Type 4X/IP66 rated for optimal performance in extreme environments.



*Powering Business Worldwide*



\* Every day, people prioritize safety to prevent injury and save lives. That is why the world trusts Eaton to provide innovative life safety and mass notification devices that alert individuals to the presence of a fire or other hazardous situations. Offering peace of mind and a sense of security that can be invaluable in times of crisis.

Life safety notification is our business, which allows us to focus on advancing technology in this critical market. Our 100-year commitment to investing in the well-being of others means that our \$1 billion estimated installed base of life safety appliances has potentially saved thousands of lives in North America, if not worldwide.

While life safety notification appliances are code-mandated, every application requirement is unique. Eaton is committed to a collaborative approach to solving the most demanding life safety requirement challenges with robust customer, application, and tech support. These unique, decades-long business partnerships fostered by a commitment to service have often inspired our newest technologies.

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# Introducing Eluxa outdoor

Best-in-class, next-generation LED notification appliances for outdoor applications



## Rugged

Eluxa outdoor is an exceptional choice for applications exposed to extreme conditions. The cutting-edge solution can deliver optimal performance thanks to its NEMA type 3R and 4X ratings, making it resistant to corrosion and ice formation. In addition, its IP54 and IP66 ratings provide superior protection against dust and water, making it an ideal choice for areas of high humidity, extreme heat or severe cold.



## Energy efficient

Eluxa notification appliances offer ultimate energy efficiency, reducing power consumption while providing cost savings. With six candela settings in a single device, Eluxa features one of the industry's lowest current draws across the full candela range. Compared to other options, the Eluxa outdoor product line reduces overall power consumption, allowing for more appliances on each circuit (NAC) and fewer power supplies, resulting in significant material and system cost savings.





## Complete and compliant portfolio

Eluxa outdoor devices, certified as UL/ULC, ensure seamless integration with all fire alarm control panels and accessories. These devices are compatible with Wheelock RSS strobe-based products and Exceder LED3. Eluxa's backward compatibility means it can be used alongside one of the largest installed bases in the country. Additionally, Eluxa meets the 20-millisecond light pulse duration requirements specified by NFPA 72 2016, allowing for mixing Wheelock legacy xenon devices within the same field of view.

### Compliance and approvals

- Certified to NEMA type 3R | 4X
- IP54 | IP66 Certified | Tested to IP67
- NFPA 72 2016 (Meets maximum light pulse duration of 20 ms)
- IEC 60529 2nd edition + amendment 3- August 2013
- FCC Part 15B / ICES-003- Class A
- UL 50 13th edition- October 2020
- UL 50E 3rd edition- October 2020
- UL464 11th edition: CAN/ULC 525 5th edition- May 2023
- UL1480 7th edition: CAN/ULC 541 5th edition- May 2023
- UL1638 6th edition: CAN/ULC 526 5th edition- April 2023
- California State Fire Marshal (CSFM) - Pending
- Factory Mutual (FM) - Pending
- ADA/NFPA/ANSI/OSHA



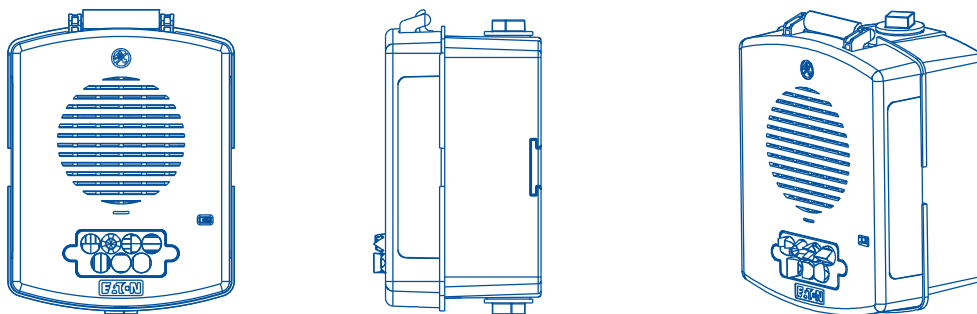
## Straightforward installation

The device comes complete with the appropriate 4X backbox, or 3R mounting plate, and switch presets so that installation is fast. With six candela settings in a single device and a pre-wire, pre-test function, the device can be installed in minutes, saving time and money.

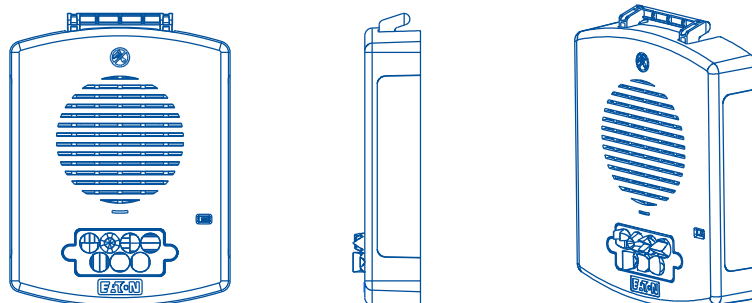
### One device = wall or ceiling mount

- Backbox or mounting plate included with all models. Convenient capture hinge allows installers to easily hold the device while fastening it in place.
- Mounting options are type 3R flush (Suitable for mounting to brick, ceramic tile, concrete and masonry.) and type 4X surface.
- 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
- Lettering plates suitable for wall or ceiling installation. This can be done by simply turning the plate over for the proper test and alignment.

### Eluxa outdoor 4X



### Eluxa outdoor 3R



## Suitable Applications

### Outdoor

- Parking garages
- Outdoor pools
- Building exteriors
- Stadiums
- Parks/recreation
- Outdoor industrial settings
- Public transportation hubs
- Outdoor events



### Indoor

- Food processing
- Parking garages
- Chemical processing plants
- Natatoriums
- Laboratories and clean rooms
- Pharmaceutical manufacturing areas
- Indoor shipyards
- Cold storage facilities



# Eluxa Outdoor 3R/4X Product Offering:

## Eluxa outdoor horn, horn strobe & strobe



Eluxa outdoor horns, horn strobes & strobes are feature-rich with six candela settings and three horn patterns. Continuous T3 and T3/T4 are 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.

### Robust design

- Sleek, modern aesthetics with no visible mounting screws
- Both wall and ceiling mount

### Devices available with:

Clear, amber, blue, red and green lens

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

- Clear (public mode): 15, 30, 75, 110, 150, 185 cd
- Amber (emergency use): 15, 30, 75, 95, 150, 177 cd
- Other colors for private mode (red, green and blue on axis only)

### Special lettering plates available.

## Eluxa outdoor speaker and speaker strobe



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.

### Robust design

- Sleek, modern aesthetics with no visible mounting screws
- Both wall and ceiling mount

### 7 Field selectable taps and sound output

- 1/8 watt up to 8 watts (70V)
- 25 or 70 VRMS operation
- Sound level: 76-94 dBA, depending on setting

### Strobe synchronization components

- Meets synchronizing standards with - Wheelock's DSM SyncModules, PS Power Supplies, Intelligent Notification Controller or SAFEPATH products.
- Ability to mix xenon and LED strobes in the same field of view.

### Speaker Strobe only:

Amber lens is available

### Special lettering plates available.

## Eluxa outdoor multi-tone and multi-tone strobe



Eluxa Multi-Tone requires two circuits (NACs): one for the Eluxa LED strobe and the other for the Multi-Tone audible. In this way, the Eluxa Multi-Tone can be "coded" without affecting the strobe. In addition, Eluxa Multi-Tone offers a choice of eight different tones to select from. This includes a temporal T3 tone that can be synchronized.

### Field selectable settings

- Clear (public mode): 15, 30, 75, 110, 150, 185 cd
- Amber (emergency use): 15, 30, 75, 95, 150, 177 cd
- Other colors for private mode (red, green and blue on axis only)
- Eight commonly used alarm tones in one device.
- Field set sound output to provide either HIGH (HI) dBA or STANDARD (STD) dBA sound output level
- Compatible with coded system

### Strobe synchronization components

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

## Eluxa outdoor quick reference guide

| Rating*                  |      | Product          | Color | Model Number |
|--------------------------|------|------------------|-------|--------------|
| 3R                       | IP54 | Horn             | Red   | EL3RHN-NR    |
|                          |      |                  | White | EL3RHN-NW    |
| 3R                       | IP54 | Strobe           | Red   | EL3RST-FR    |
|                          |      |                  | White | EL3RST-FW    |
| 3R                       | IP54 | Horn Strobe      | Red   | EL3RHS-FR    |
|                          |      |                  | White | EL3RHS-FW    |
| 3R                       | IP54 | Speaker          | Red   | EL3RSPK-NR   |
|                          |      |                  | White | EL3RSPK-NW   |
| 3R                       | IP54 | Speaker Strobe   | Red   | EL3RSPST-FR  |
|                          |      |                  | White | EL3RSPST-FW  |
| 3R                       | IP54 | Multitone        | Red   | EL3RMT-NR    |
|                          |      |                  | White | EL3RMT-NW    |
| 3R                       | IP54 | Multitone Strobe | Red   | EL3RMTST-FR  |
|                          |      |                  | White | EL3RMTST-FW  |
| Mounting plate included. |      |                  |       |              |

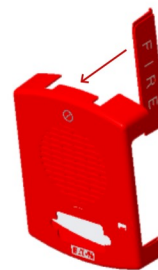
| Rating*                  | Product          | Color | Model Number |
|--------------------------|------------------|-------|--------------|
| 4X   IP66                | Horn             | Red   | EL4XHN-NR    |
|                          |                  | White | EL4XHN-NW    |
| 4X   IP66                | Strobe           | Red   | EL4XST-FR    |
|                          |                  | White | EL4XST-FW    |
| 4X   IP66                | Horn Strobe      | Red   | EL4XHS-FR    |
|                          |                  | White | EL4XHS-FW    |
| 4X   IP66                | Speaker          | Red   | EL4XSPK-NR   |
|                          |                  | White | EL4XSPK-NW   |
| 4X   IP66                | Speaker Strobe   | Red   | EL4XSPST-FR  |
|                          |                  | White | EL4XSPST-FW  |
| 4X   IP66                | Multitone        | Red   | EL4XMT-NR    |
|                          |                  | White | EL4XMT-NW    |
| 4X   IP66                | Multitone Strobe | Red   | EL4XMTST-FR  |
|                          |                  | White | EL4XMTST-FW  |
| Surface backbox included |                  |       |              |

## Eluxa outdoor accessories: Lettering plates

For added convenience, the lettering plates are suitable for wall or ceiling installation. This can be done by simply turning the plate over for the proper text and alignment. Pack of 10 pairs (1 pair per device).

| Eluxa Letter Plate Model Number | Description         |
|---------------------------------|---------------------|
| ELLP-FR                         | Red, Fire           |
| ELLP-FW                         | White, Fire         |
| ELLP-NR                         | Red, No lettering   |
| ELLP-NW                         | White, No lettering |
| ELLP-AR                         | Red, Agent          |
| ELLP-AW                         | White, Agent        |
| ELLP-ALR                        | Red, Alert          |
| ELLP-ALW                        | White, Alert        |

| Eluxa Letter Plate Model Number | Description           |
|---------------------------------|-----------------------|
| ELLP-COR                        | Red, Carbon Dioxide   |
| ELLP-COW                        | White, Carbon Dioxide |
| ELLP-EVR                        | Red, Evacuate         |
| ELLP-EVW                        | White, Evacuate       |
| ELLP-MR                         | Red, Emergency        |
| ELLP-MW                         | White, Emergency      |
| ELLP-FFR                        | Red, Fire/FEU         |
| ELLP-FFW                        | White Fired/FEU       |



**Table 1. Lowest current draw across full candela range**

|                                 |                                    | UL/ULC Max Current |           |           |               |            |                |
|---------------------------------|------------------------------------|--------------------|-----------|-----------|---------------|------------|----------------|
|                                 |                                    | 24VDC              |           |           |               |            |                |
| <b>Horn Strobe</b>              | <b>Regulated Voltage Range VDC</b> | <b>15</b>          | <b>30</b> | <b>75</b> | <b>95/110</b> | <b>150</b> | <b>177/185</b> |
| High EL3RHS/EL4XHS              | 16.0-33.0                          | 0.063              | 0.083     | 0.105     | 0.127         | 0.193      | 0.230          |
| Low EL3RHS/EL4XHS               | 16.0-33.0                          | 0.045              | 0.066     | 0.085     | 0.107         | 0.175      | 0.215          |
| <b>Speaker Strobe</b>           |                                    | <b>15</b>          | <b>30</b> | <b>75</b> | <b>110</b>    | <b>150</b> | <b>185</b>     |
| EL3RSPST                        | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| EL4XSPST                        | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| <b>Strobe (Clear)</b>           |                                    | <b>15</b>          | <b>30</b> | <b>75</b> | <b>110</b>    | <b>150</b> | <b>185</b>     |
| EL3RST                          | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| EL4XST                          | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| <b>Strobe (Amber)</b>           |                                    | <b>15</b>          | <b>30</b> | <b>75</b> | <b>95</b>     | <b>150</b> | <b>177</b>     |
| EL3RSTA                         | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| EL4XSTA                         | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| <b>Strobe (Blue)</b>            |                                    | <b>15</b>          | <b>30</b> | <b>75</b> | <b>95</b>     | <b>135</b> | <b>150</b>     |
| EL3RSTB                         | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| EL4XSTB                         | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| <b>Strobe (Green)</b>           |                                    | <b>15</b>          | <b>30</b> | <b>60</b> | <b>75</b>     | <b>115</b> | <b>125</b>     |
| EL3RSTG                         | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| EL4XSTG                         | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| <b>Strobe (Red)</b>             |                                    | <b>10</b>          | <b>20</b> | <b>40</b> | <b>50</b>     | <b>75</b>  | <b>80</b>      |
| EL3RSTR                         | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| EL4XSTR                         | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| <b>Multitone Strobe (Clear)</b> |                                    | <b>15</b>          | <b>30</b> | <b>75</b> | <b>110</b>    | <b>150</b> | <b>185</b>     |
| EL3RMST                         | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| EL4XMST                         | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| <b>Multitone Strobe (Amber)</b> |                                    | <b>15</b>          | <b>30</b> | <b>75</b> | <b>95</b>     | <b>150</b> | <b>177</b>     |
| EL3RMTSTA                       | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| EL4XMTSTA                       | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| <b>Multitone Strobe (Blue)</b>  |                                    | <b>15</b>          | <b>30</b> | <b>75</b> | <b>95</b>     | <b>135</b> | <b>150</b>     |
| EL3RMTSTB-NW                    | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| EL4XMTSTB - NW                  | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| <b>Multitone Strobe (Green)</b> |                                    | <b>15</b>          | <b>30</b> | <b>60</b> | <b>75</b>     | <b>115</b> | <b>125</b>     |
| EL3RMTSTG-NW                    | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| EL4XMTSTG-NW                    | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| <b>Multitone Strobe (Red)</b>   |                                    | <b>10</b>          | <b>20</b> | <b>40</b> | <b>50</b>     | <b>75</b>  | <b>80</b>      |
| EL3RMTSTR-NW                    | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |
| EL4XMTSTR-NW                    | 16.0-33.0                          | 0.026              | 0.038     | 0.070     | 0.097         | 0.179      | 0.206          |

**Table 2. Eluxa 3R/4X Multi-Tone - Current and Sound Pressure Level Ratings**

| Tone        | Volume | Maximum RMS Current (AMPS) |       | Reverberant dBA at 10ft Per UL464/ULC-525 |
|-------------|--------|----------------------------|-------|-------------------------------------------|
|             |        | 24VDC                      |       |                                           |
| Horn        | HI     | 0.108                      | 0.087 | 88                                        |
|             | STD    | 0.044                      | 0.045 | 83                                        |
| Bell        | HI     | 0.053                      | 0.067 | 81                                        |
|             | STD    | 0.024                      | 0.028 | 75                                        |
| March Time  | HI     | 0.104                      | 0.087 | 88                                        |
|             | STD    | 0.087                      | 0.045 | 83                                        |
| Code 3 Horn | HI     | 0.122                      | 0.087 | 88                                        |
|             | STD    | 0.035                      | 0.045 | 83                                        |
| Code 3 Tone | HI     | 0.135                      | 0.110 | 81                                        |
|             | STD    | 0.035                      | 0.032 | 76                                        |
| Slow Whoop  | HI     | 0.098                      | 0.092 | 87                                        |
|             | STD    | 0.037                      | 0.042 | 81                                        |
| Siren       | HI     | 0.104                      | 0.092 | 87                                        |
|             | STD    | 0.042                      | 0.040 | 81                                        |
| HI/LO       | HI     | 0.057                      | 0.063 | 84                                        |
|             | STD    | 0.035                      | 0.035 | 79                                        |

**Table 3. Eluxa 3R/4X Horn current ratings (AMPS)**

|                         | Horn Setting    | Regulated 12V (8-17.5V) | Regulated 24V (16-33V) |
|-------------------------|-----------------|-------------------------|------------------------|
| (High)<br>EL3RHN/EL4XHN | CONT, T3, T3/T4 | 0.054                   | 0.052                  |
| (Low)<br>EL3RHN/EL4XHN  | CONT, T3, T3/T4 | 0.034                   | 0.038                  |



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