

Wheelock Eluxa[®]

Multitone Horns and Horn Strobes by Eaton



Effective: April 2026
K-75-025 Rev AA

KiddeFenwal offers an array of Wheelock Eluxa Multitone Horns and Horn Strobes, manufactured by Eaton Corporation.

Key features include:

- **Eight (8) Alerting Sounds Provided in a Single Device** – 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. The Code-3 horn and tone patterns are engineered to comply with NFPA/ANSI Temporal Pattern specifications without requiring additional equipment.
- **Advanced Power Saving LED Technology Across Six (6) Candela Settings** – High energy efficient technology leads the industry in one of the lowest current draws across the full candela range, which reduces overall power consumption and costs in fire alarm systems. This breakthrough design, resulting in best-in-class efficiency, enables material and system cost savings, allowing for a greater number of appliances on the notification appliance circuit and fewer power supplies. All strobe models feature six candela settings: 15, 30, 75, 110, 135, 185 cd on wall models and 15, 30, 75, 110, 150, 177 cd on ceiling models.
- **Feature-rich Design** – Two sound output levels: Standard dBA and High dBA, and pre-wire/pre-test via mounting plate with hinged feature for easy installation.
- **Audible and Strobe Can Operate Simultaneously** – All models may be used with filtered or unfiltered (full-wave-rectified) input voltages. Separate input terminals and shunt wires are provided to enable both audible and strobe to operate simultaneously from a single input or from two inputs using 4-wires.
- **Low Profile Design Suitable for Both Indoor and Outdoor Use** – Small footprint; designed for indoor wall and ceiling mount applications.
- **Strobe Synchronization** – Meet synchronizing standards with Wheelock's DSM Sync Modules, PS or INC Power Supplies or SAFEPATH products. Can mix xenon and LED strobes in the same field of view.
- **Regulatory Compliances** – Eluxa notification appliances are listed under UL Standards 1638 and 464 and under CAN/ULC-S525 and CAN/ULC-S526. Listings also include California State Fire Marshal (CSFM), and Factory Mutual (FM). The appliances are Restriction of Hazardous Substances (RoHS) compliant and contain no mercury or other hazardous substances. In addition, the Eluxa product line has been UL/ULC listed as compatible with all Fire Alarm Control Panels (FACP) and accessories that have been determined to be compatible with Exceder LED3 and Wheelock RSS strobe-based products, including the RSS, CH, E, EH, ET, ST, HS, MT, S8, SA, STH and Z Series. The listing also includes the ability to install the Eluxa strobes in the same notification zone and field of view with any Wheelock RSS strobe models making them backward compatible with our installed base of existing notifications.



Technical Specifications:

Material	Red or white textured UV stabilized, colored impregnated engineered plastic. Exceeds 94V-0 UL flammability rating.
Weights	Wall multitone strobe: 0.82 lbs (370g); Ceiling multitone strobe: 0.94 lbs (426g); Speaker Backbox: 0.44 lb (267g)
Lens	Light Emitting Diode (LED) in a rugged Lexan lens
Dimensions	ELMT: 6.35"H x 4.56" W x 1.54" D ELMTS: 6.35"H x 4.56" W x 1.54" D ELMTSC: 6.27" Diameter x 2.29" Depth
Operating Temperature	Indoor: 32°F to 122°F (0°C to 50°C) and maximum humidity of 93%
Mounting (indoor)	Mounting plate included with all models. ELMTS multitone strobes are for wall-mount applications only. ELMT multitone horns can be used for wall or ceiling-mount applications. ELMTSC are for ceiling-mount applications. 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.
Connections Wire Gauge	#12 through #18 AWG
Operating Voltage	24VDC/24VFWR 12VDC/12VFWR (ELMT only)
Strobe Output Rating	UL 1638, ULC S526: Wall: Selectable 15, 30, 75, 110, 135, 185 candela output; Ceiling: Selectable 15, 30, 75, 110, 150, 177 candela output
Synchronization Models	Strobes can be synchronized with Wheelock's DSM Sync Modules, PS Power Supplies or SAFEPATH products, using Wheelock patented sync protocol.
General Notes:	Strobes are designed to flash at 1 flash per second minimum over their "Regulated Voltage Range". Note that NFPA-72 specifies a flash rate of 1 to 2 flashes per second and ADA Guidelines specify a flash rate of 1 to 3 flashes per second. All candela ratings represent minimum effective strobe intensity based on UL 1638.

Drawings:

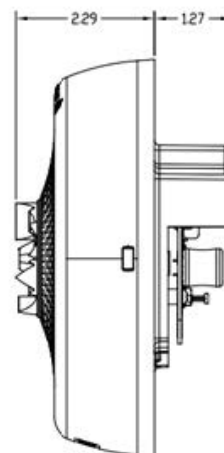
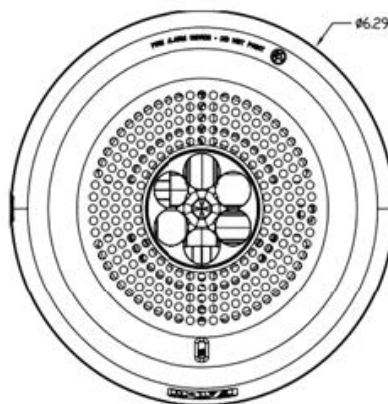
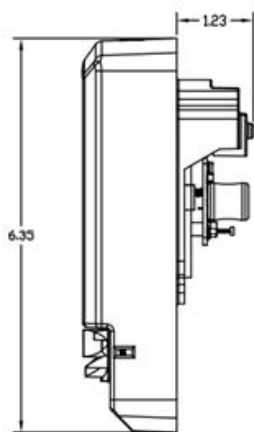
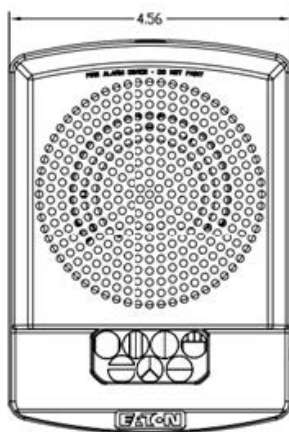


Figure 1. Wall multitone strobe

Figure 2. Ceiling multitone strobe

(units in inches)

Ordering Information: *Eluxa notification devices may be ordered from KiddeFenwal using these part numbers:*

Horns:	
ELHNR	Eaton Wheelock Eluxa Series Horn, Red 12/24 VDC Wall/Ceiling mount, Sync/Non-Sync.
ELHNW	Eaton Wheelock Eluxa Series Horn, White, 12/24 VDC Wall mount, Sync/Non-Sync.
ELHNRC	Eaton Wheelock Eluxa Series Horn, Red, 12/24 VDC Ceiling mount, Sync/Non-Sync.
ELHNWC	Eaton Wheelock Eluxa Series Horn, White, 12/24 VDC Ceiling mount, Sync/Non-Sync.
Indoor Strobes:	
ELSTR	Eaton Wheelock High Efficiency LED Strobe, Red, 12/24 VDC, Multi-Candela 15/30/75/110/135/185, FIRE markings, Wall mounted.
ELSTRC	Eaton Wheelock High Efficiency LED Strobe, Red, 12/24 VDC, Multi-Candela 15/30/75/110/150/177, FIRE markings, Ceiling mounted.
ELSTR-A	Eaton Wheelock High Efficiency LED Strobe, Red, Multi-Candela 15/30/75/110/135/185, AGENT markings, Wall mounted.
ELSTW	Eaton Wheelock High Efficiency LED Strobe, White, 12/24 VDC, Multi-Candela 15/30/75/110/135/185, FIRE markings, Wall mounted.
ELSTWC	Eaton Wheelock High Efficiency LED Strobe, White, 12/24 VDC, Multi-Candela 15/30/75/110/150/177, FIRE markings, Ceiling mounted.
ELSTW-A	Eaton Wheelock High Efficiency LED Strobe, White, 12/24 VDC, Multi-Candela 15/30/75/110/135/185, AGENT markings, Wall mounted.
Weatherproof Strobes, Weatherproof Horns:	
EL4XST-FR	Eaton Wheelock Eluxa Series Weatherproof Strobe 24 VDC (FIRE), Weatherproof, IP66 - 4X, Wall and ceiling mount, Red, Sync/Non-Sync. Surface Backbox
EL3RST-FR	Eaton Wheelock Eluxa High Efficiency LED Strobe 24 VDC, multi candela (FIRE), Weatherproof NEMA 3R, Wall mounted, Red. Flush mounting plate included.
EL4XMT-NR	Eaton Wheelock Eluxa Horn 24 VDC, multi tone (BLANK), Weatherproof NEMA 4X, Wall mounted, Red. Surface box
EL3RMT-NR	Eaton Wheelock Eluxa Horn 24 VDC, multi tone (BLANK), Weatherproof NEMA 3R, Wall mounted, Red. Flush mounting plate included
Horn-Strobes:	
ELHSR	Eaton Wheelock High Efficiency LED Horn-Strobe, Red 12/24 VDC. Multi-Candela 15/30/75/110/135/185 (FIRE). Wall mounted. Sync/Non-Sync.
ELHSRC	Eaton Wheelock High Efficiency LED Horn-Strobe, Red, 12/24 VDC. Multi-Candela 15/30/75/110/150/177, (FIRE), Ceiling mounted. Sync/Non-Sync.
ELHSR-A	Eaton Wheelock High Efficiency LED Horn-Strobe, Red, 12/24 VDC. Multi-Candela 15/30/75/110/135/185 (AGENT). Wall mounted, Sync/Non-Sync.
ELHSW	Eaton Wheelock High Efficiency LED Horn-Strobe White 12/24 VDC, Multi-Candela 15/30/75/110/135/185 (FIRE), Wall mounted, Sync/Non-Sync.
ELHSWC	Eaton Wheelock High Efficiency LED Horn-Strobe, White, 12/24 VDC. Multi-Candela 15/30/75/110/150/177, (FIRE), Ceiling mounted. Sync/Non-Sync.

Horn-Strobes: (continued)	
ELHSW-A	Eaton Wheelock High Efficiency LED Horn-Strobe, White, 12/24 VDC. Multi-Candela 15/30/75/110/135/185 (AGENT). Wall mounted, Sync/Non-Sync.
ELMTR	Eaton Wheelock Multi Tone Horn (Horn, Bell, March time Horn, Code 3 Tone, Code 3 Horn, Slow Whoop, Siren & High-Low), 24VDC, Flush grill.
ELMTSR	Eaton Wheelock High Efficiency LED Multi Tone-Multi Candela Strobe 24 VDC 15/30/75/110/135/185 cd (FIRE), Wall mount, Red, Sync/Non-Sync.
ELMTSR-A	Eaton Wheelock High Efficiency LED Multi Tone-Multi Candela Strobe 24 VDC 15/30/75/110/135/185 cd (AGENT), Wall mount, Red, Sync/Non-Sync.
EL4XMTST-FR	Eaton Wheelock Weatherproof Multi Tone-Strobe 24 VDC (FIRE), Weatherproof, IP66 - 4X, Wall and ceiling mount, Red, Sync/Non-Sync. Surface Backbox
Mounting Hardware and Accessories:	
ELLP-AR	Lettering plate (Red, AGENT), for use with Eluxa Weatherproof Strobe, Horn & Horn-Strobe (Pkg of 10)
ELLP-FR	Lettering plate (Red, FIRE), for use with Eluxa Weatherproof Strobe, Horn & Horn-Strobe (Pkg of 10)
ELSPKBB-R	Eaton Wheelock ESBW Universal Back Box, Wall Mount, Red. Use with P/Ns ELMTR, ELMTSR and ELMTSR-A
ELSBB-R	Eaton Wheelock ESBW Universal Back Box, Wall Mount, Red. Use with P/Ns starting with EL (except ELMTR, ELMTSR and ELMTSR-A)
ELSBB-W	Eaton Wheelock ESBW Universal Back Box, Wall Mount, White. Use with P/Ns starting with EL (except ELMTR, ELMTSR and ELMTSR-A)
ESB-KIT-R	Eaton Wheelock Eluxa Trim Plate, Red. Used when installing Eluxa Series devices onto 4" square boxes
ESB-KIT-W	Eaton Wheelock Eluxa Trim Plate, White. Used when installing Eluxa Series devices onto 4" square boxes
DSM-12/24-R	Eaton Wheelock DSM-12/24-R Sync Module for 1 Class A or 2 Class B 24 VDC NACs



Figure 3. Wall (left) and Ceiling (right) Mounting Brackets

Table 1. Strobe ratings

(Must add Alarm Tone current for combination.)		UL/ULC Max Current a							
		24VDC							
Model	Regulated Voltage Range VDC	15	30	75	110	135	150	177	185
ELMTS	16.0-33.0	0.017	0.022	0.053	0.079	0.106			0.161
ELMTSC	16.0-33.0	0.017	0.023	0.053	0.079		0.110	0.161	

Table 2. Maximum RMS current for audibles (VDC)

Alarm Tones	24 VDC		12 VDC	
	HI Output	STD Output	HI Output	STD Output
Horn	0.108	0.044	0.177	0.034
Bell	0.053	0.024	0.095	0.020
March Time Horn	0.104	0.087	0.142	0.034
Code-3 Horn	0.122	0.035	0.200	0.034
Code-3 Tone	0.135	0.035	0.152	0.021
Slow Whoop	0.098	0.037	0.142	0.035
Siren	0.104	0.036	0.152	0.030
HI/LO	0.057	0.025	0.114	0.026

Maximum RMS current for audibles (FWR)

Alarm Tones	24 FWR		12 FWR	
	HI Output	STD Output	HI Output	STD Output
Horn	0.087	0.045	0.177	0.039
Bell	0.067	0.028	0.095	0.023
March Time Horn	0.087	0.045	0.142	0.039
Code-3 Horn	0.087	0.045	0.200	0.039
Code-3 Tone	0.110	0.029	0.152	0.023
Slow Whoop	0.092	0.042	0.142	0.038
Siren	0.092	0.040	0.152	0.034
HI/LO	0.063	0.032	0.114	0.029

Table 3. dBA for Multitone Audible Portion

Alarm Tones	Wall UL Reverberant dBA at 10 Feet				Ceiling	
	24 VDC		12 VDC (ELMT)		24 VDC	
	HI Output	STD Output	HI Output	STD Output	HI Output	STD Output
Horn	91	86	91	76	86	80
Bell	83	76	82	67	80	72
March Time Horn	88	83	88	73	82	77
Code-3 Horn	87	82	87	72	81	76
Code-3 Tone	85	80	85	70	79	74
Slow Whoop	90	84	89	73	85	79
Siren	89	84	89	74	85	79
HI/LO	88	84	88	72	85	81

Alarm Tones	Wall UL Reverberant dBA at 10 Feet				Ceiling	
	24 VDC		12 VDC (ELMT)		24 VDC	
	HI Output	STD Output	HI Output	STD Output	HI Output	STD Output
Horn	99	93	99	86	97	91
Bell	89	81	87	73	90	82
March Time Horn	99	93	99	85	93	88
Code-3 Horn	99	93	99	86	97	91
Code-3 Tone	95	90	91	78	88	83
Slow Whoop	99	94	99	88	95	89
Siren	98	93	98	84	95	89
HI/LO	93	88	92	72	91	86

Table 4. Specification & Ordering Information

Model	Strobe Candela	Lens color	Red	White	Lettering	Wall/Ceiling	Sync w/ DSM or Wheelock Power Supplies
Multitone strobes							
ELMTSR	15/30/75/110/135/185	Clear	X		FIRE	Wall	X
ELMTSW	15/30/75/110/135/185	Clear		X	FIRE	Wall	X
ELMTSR-N	15/30/75/110/135/185	Clear	X		No lettering	Wall	X
ELMTSW-N	15/30/75/110/135/185	Clear		X	No lettering	Wall	X
ELMTSRC	15/30/75/110/150/177	Clear	X		FIRE	Ceiling	X
ELMTSWC	15/30/75/110/150/177	Clear		X	FIRE	Ceiling	X
ELMTSR-A	15/30/75/110/135/185	Clear	X		AGENT	Wall	X
ELMTSW-A	15/30/75/110/135/185	Clear		X	AGENT	Wall	X
ELMTSWC-NA	15/30/75/110/135/185	Amber		X	No lettering	Wall	X
ELMTSW-NA	15/30/75/110/150/177	Amber		X	No lettering	Ceiling	X
Multitone horns							
ELMTR		Clear	X		No lettering	Wall	X
ELMTW		Clear		X	No lettering	X	X
Backboxes							
ELSPKBB-R	X	Clear	X			Wall	
LSPKBB-CR	X	Clear	X			Ceiling	

a 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). For strobes the UL max current is usually at the minimum listed voltage (16v for 24v units). For audibles the max current is usually at the maximum listed voltage (33v for 24v units). For unfiltered FWR ratings, see installation instructions.

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