

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for applications requiring attractive die-cast aluminum signage, superior illumination and low energy consumption.

CONSTRUCTION — Precision-molded, die-cast aluminum construction — ultra-slim, compact housing. Fine-grain brushed aluminum faceplate with matte black electrostatic polymeric trim. Clear lacquer finish on brushed face inhibits fingerprints and other surface contaminants.

All electronics located inside housing.

Fully overlapping light seal prevents light leaks. Universal directional chevron knockouts are completely concealed and easily removed. Hinged faceplate and spring latches for easy lamp compartment access, no exposed hardware.

Letters 6" high with 3/4" stroke, with 100 ft viewing distance rating, based upon UL924 standards.

U.S. Patent No. 5,739,639, 5,954,423 and 6,502,044. Canada Patent No. 2,204,218. Other patents pending.

OPTICS — Lamp is constructed using new LED technology. Provides perfectly uniform illumination to meet 3/4" letter stroke required by code.

The typical life of the exit LED lamp is 10 years, based on continuous operation. Unique LED lamp platform accommodates both single-face and double-face exits.

Low energy consumption — red exit consumes std. .81W, 1.3W (120V), green exit consumes std 1W, 1.5W (120V). Universal input voltage capabilities (120V through 277V, 50 or 60 HZ).

ELECTRICAL — Solid-state electronic elements to eliminate risk of electromechanical failures.

Surge protection meets ANSI/IEEE C62.41 category B and IEC 1000 immunity standards for high voltage surges, electrostatic discharges, high frequency electrical fast transients and line voltage dips/swells.

Emergency Operation (for EL N option only): Battery: Sealed, maintenance-free nickel-cadmium battery delivers 90 minutes capacity to lamp.

Self-diagnostics (SD option only): Two-state constant-current charger maximizes battery life and automatically recharges after battery discharge. Test switch provided for manual testing.

Self-diagnostic testing for five minutes every 30 days, 30 minutes at 180-day interval, and 90 minutes annually.

Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition.

Continuously monitors AC functionality.

Low voltage disconnect prevents excessive deep discharge that can permanently damage the battery.

Single-point microcomputer control for all electronic features.

Crystal oscillator timing system with watchdog protection for precision accuracy.

AC/LVD reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Brownout protection is automatically switched to emergency mode when supply voltage drops below 80% of nominal.

Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Wireless Reporting System (WRS option): Data from self-diagnostics will be communicated via wireless transceivers within their vicinity, creating a self-configuring, self-healing, and self-optimizing wireless network that exchanges the data between FIDO compatible emergency lighting fixtures on an event driven-basis.

Catalog Number
Notes
Type



LE surface



LRE recessed



Die-Cast Aluminum Exits

LE and LRE



Wireless communications electronics to operate 2.4GHz mesh network are enclosed entirely within the fixture. Radio range is 500' between fixtures in most buildings. Actual performance may vary depending on application environment and electromagnetic interference. Substantially longer distances have been recorded in uninterrupted open air. Consult factory for more details. **Must be ordered with FIDO edge router.**

INSTALLATION — Universal mounting (top, end or back). Double face available with top or end mounting only. LRE: Trim ring has 3/4" depth adjustment to ensure a flush fit against the surface. Protrudes 1/10" from the surface. No exposed hardware.

Die-cast aluminum canopy provided for surface mount only.

LISTINGS — UL damp location listed 50°F - 104°F (10°C - 40°C). Meets UL 924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. North Carolina Department of Insurance. NEMA Premium certified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LE S 1 R EL N SD

Series	Face type	Housing color	Number of faces	Letter color	Input voltage	Operation	Options
LE	LED, surface mount	S Stencil P Panel ¹	1 Single face 2 Double face ²	R Red G Green	(blank) Universal input voltage (120-277V, 50 or 60 HZ)	(blank) AC only EL N Nickel-cadmium battery back-up X2 Lamp wired on two separate AC circuits ³ WRS Dual voltage 120/277, nickel-cadmium battery back up and self-diagnostic, with FIDO wireless reporting system capability ²	(blank) None TP Two tamper proof Torx-head screws ⁴ VR Vandal-resistant shield (1/8" thick polycarbonate) ^{4,5} FI FA Field selectable fire alarm interface or flashing emergency operation with intermittent audible alarm (one flash per minute) ^{4,6} FI Fire alarm flashing interface ^{4,7} FA Flashing emergency operation and intermittent audible alarm ^{4,8} SD Self-diagnostics ^{8,9}
LRE	LED, recessed	BZ Dark bronze ² W White B Matte black ²					

Accessories: Order as separate catalog number.			
ELA US12	12" stem kit (see spec sheet ELA-StemKits) ^{2,10}	ELA LEHO 120/277 N	Remote-capable exit with black canopy; provides 90 minutes of 11.1W capacity for remote head ^{2,10}
ELA WG1	Back-mount wire guard (see spec sheet ELA-WG) ²	ELA ERK	Recess mounting rough-in kit for LRE only (see spec sheet ELA-ERK-LEHO)
ELA WGEXT	Top-mount wire guard (see spec sheet ELA-WG) ²	FIDO	Emergency wireless reporting system edge router (see FIDO specification sheet for details)
ELA WGEXE	End-mount wire guard (see spec sheet ELA-WG) ²		

Notes

- Panel face available for special wording only.
- Not available with LRE models.
- UL Listed as emergency lighting.
- Not available with WRS operation.
- VR contains tamper proof screws.
- Available with SD option only.
- Available with AC only or EL N option only.
- Available with EL N option only.
- Standard with WRS.
- Add W for white canopy.

SPECIFICATIONS

ELECTRICAL				
Primary circuit				
Type	Typical LED life ¹	Supply voltage	Input watts	Max. amps
Red LED AC only	10 Years	120	0.81	0.05
		277	1.2	0.06
Green LED AC only	10 Years	120	1.05	0.05
		277	1.32	0.06
Red LED emergency	10 Years	120	1.3	0.06
		277	1.4	0.07
Green LED emergency	10 Years	120	1.5	0.07
		277	1.7	0.07

BATTERY			
Sealed Nickel-Cadmium			
Shelf life ²	Typical life ²	Maintenance ³	Optimum temperature ⁴
3 years	7-9 years	none	50°F – 104°F (10°C – 40°C)

Notes

- The typical life of the exit LED lamp is 10 years, based on continuous operation.
- At 77°F (25°C).
- All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.
- Optimum ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity. Consult factory for detailed information.

SELF-DIAGNOSTICS (SD and WRS option only)

- Five-minute test every 30 days
- 30-minute test every six months
- 90-minute test annually
- Diagnostics evaluate the battery, lamp, charger and AC to DC transfer.

Condition	Indication
Normal mode	Steady green
Self-testing	Flashing green
Emergency mode	Off
Hi-charge	Steady red
Battery failure	Single-flash red
Lamp failure	Double-flash red
Circuit failure	Triple-flash red

KEY FEATURE

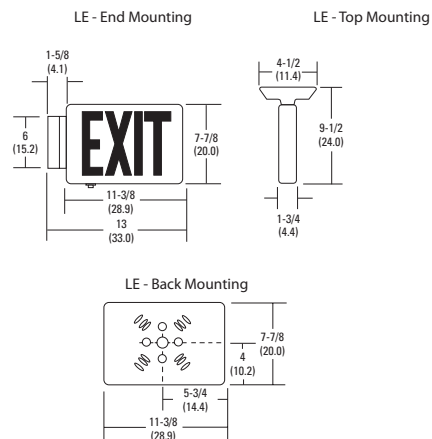


The typical life of the exit LED lamp is 10 years.

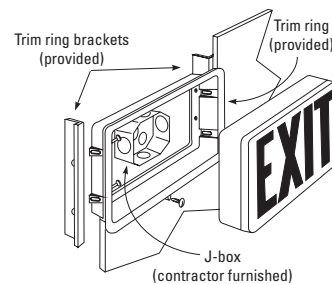
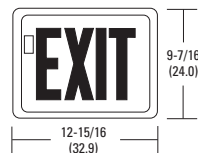
MOUNTING

All dimensions are in inches (centimeters). For VR option, add 1/4" to height and width. Add 1/8" depth for single face; 1/4" depth for double face.

Shipping weight: LE - 4 lbs (1.8 kgs)
LE EL N - 5 lbs (2.3 kgs)
LRE - 4 lbs (1.8 kgs)
LRE EL N - 5 lbs (2.3 kgs)

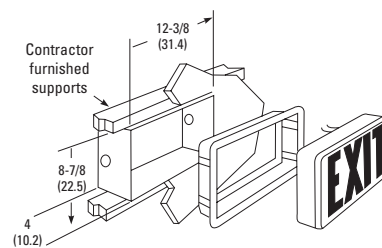


STANDARD MOUNTING



Wall opening dimensions: 8-3/4" H x 12-3/8" W x 1-3/4" D

MOUNTING WITH OPTIONAL ROUGH-IN KIT (ELA ERK)



Wall opening dimensions: 8-7/8" H x 12-3/8" W x 4" D