

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.

Battery and 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.

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

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, with 100 ft viewing distance rating.

Expected LED life of up to 10 years, based on continuous operation. Unique LED lamp platform accommodates both single-face and double-face exits.

Low energy consumption — red exit consumes 1.3W (120V), green exit consumes 1.5W (120V).

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.

Battery: Sealed, maintenance-free nickel-cadmium battery delivers 90 minutes capacity to lamp.

Diagnostics (SD option only): Two-state constant-current charger maximizes battery life and automatically recharges after battery discharge.

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.

Self-diagnostic testing for five minutes every 30 days and 30 minutes every six months.

Catalog Number
Notes
Type

Signature®

Die-Cast Aluminum Exits

LE EL N

LED Lamps Emergency



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

Continuously monitors AC functionality.

INSTALLATION — Universal mounting (top, end or back). Double face available with top or end mounting only (canopy included). Completely concealed, easily removeable mounting knockouts. No exposed hardware.

Die-cast aluminum canopy provided.

LISTINGS — UL listed. Meets UL 924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards, and State of Minnesota energy-efficiency legislation requiring less than 20W consumption. North Carolina Department of Insurance.

WARRANTY — Five-year warranty, including lamps.

Note: Specifications subject to change without notice.

ORDERING INFORMATION

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

Example: LE S 1 R 120/277 EL N VR

LE					120/277	EL N	
Family	Face type	Housing color	Number of faces	Letter color	Input voltage	Emergency operation	Options
LE LED, surface mount	S Stencil P Panel ¹	(blank) Brushed aluminum BZ Dark bronze W White B Matte black	1 Single face 2 Double face	R Red G Green	120/277 Dual voltage	EL N Nickel-cadmium battery	TP Two tamperproof Torx-head screws VR Vandal-resistant shield (1/8" thick polycarbonate) ² FA Flashing emergency operation and intermittent audible alarm (one flash per minute) ^{2,3} FI Fire alarm flashing interface ^{3,4} SD Self-diagnostics DL UL listed for damp location

Accessories: Order as separate catalog number.

ELA US12	12" stem kit ⁵
ELA WG1	Back-mount wireguard ⁶
ELA WGEXT	Top-mount wireguard ⁶
ELA WGEXE	End-mount wireguard ⁶
ELA LEHO 120/277 N	Remote-capable exit with black canopy; provides 90 minutes of 11.1W capacity for remote head ^{7,8}

Notes

- Panel face available for special wording only.
- VR contains tamper-proof screws.
- Choice of FA or FI. Not available with more than one.
- Only available with SD option.
- See spec sheet [ELA-StemKits](#).
- See spec sheet [ELA-WG](#).
- See spec sheet [ELA-ERK-LEHO](#).
- Add W for white canopy.

LE EL N Emergency LED, Signature

SPECIFICATIONS

ELECTRICAL

Primary Circuit

Type	Rated LED life ¹	Supply voltage	No. of faces	Input watts	Max. amps
Red	10 yrs.	120	1 or 2	1.3	.06
Red	10 yrs.	277	1 or 2	1.4	.07
Green	10 yrs.	120	1 or 2	1.5	.06
Green	10 yrs.	277	1 or 2	1.7	.07

BATTERY

Sealed Nickel-Cadmium

Shelf life ²	Expected life ²	Maintenance ³	Optimum temperature ⁴
3 yrs.	7–9 yrs.	none	32°–100°F (16°–32°C)

Notes

- ¹ Based on continuous operation.
- ² At 77°F (25°C).
- ³ 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.
- ⁴ 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 option only)

- Five-minute test every 30 days
- 30-minute test every six months
- 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



Unique LED lamp provides extremely long life and low energy consumption.

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: 8 lbs. (3.6 kgs.)

