

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Ideal for applications requiring attractive, quick-installation exit signs and low energy consumption.

**CONSTRUCTION** — Engineering-grade thermoplastic housing is impact-resistant, scratch-resistant, and corrosion-proof. UL94V-0 flame rating. UV-stable resin resists discoloration from natural and man-made light sources.

Rugged unibody housing snaps together with no additional mechanical fasteners. Faceplate and back cover are interchangeable on housing. Positive snap-fit tabs hold faceplate securely, yet easily removable for lamp compartment access.

Universal directional Chevron inserts are easily removed and reinserted. Uniform illumination without shadows or hot spots. Reinforced, impact-resistant color panels. Letters 6" high with 3/4" stroke, with 100 ft. viewing distance rating, based upon UL924 standards.

**U.S. Patent No. 5,526,251; 5,611,163; 5,739,639; 5,954,423; D495,751 and 6,502,044. Other patents pending.**

**OPTICS** — LEDs mounted on printed circuit boards. Low energy consumption – less than one watt. LED lamp operates in normal (AC input) and emergency (DC input) modes.

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

**ELECTRICAL** — Low-voltage disconnect prevents excessively deep discharge that can permanently damage battery. Conveniently located test switch and LED provide visual and manual means of monitoring system.

Constant-current series charger minimizes energy consumption and provides low operating costs. Printed circuit boards are 100% quality tested during manufacturing. Current-limiting charger circuitry protects printed circuit boards from shorts.

AC/LV reset (line latch) allows battery connection before AC power is applied and aids in preventing battery damage from deep discharge.

Crystal oscillator timing system with watchdog protection for precision accuracy.

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

Battery: Sealed, maintenance-free nickel-cadmium battery delivers 90-minutes capacity to emergency lamps. Two-state constant-current charge maximizes battery life and automatically recharges after battery discharge.

Diagnostics: Single-point microcomputer control for all electronic features.

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.

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

**INSTALLATION** — Universal (top-, end-, or back-) mounting. Easily removed mounting knockouts. J-box pattern on back panel. Housing snaps to canopy with four positive-locking tabs. Cam-locking pin tightly secures housing to canopy.

**LISTINGS** — UL damp location listed 50°-104°F (10°-40°C) standard. Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. NEMA Premium certified.

**WARRANTY** — Five-year limited warranty, including the LED lamps.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Thermoplastic Exits

# LQM EL N

**LED LAMPS**  
Emergency Operation  
Nickel-Cadmium Battery



### Specifications

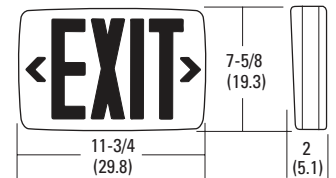
Length: 11-3/4 (29.8)

Depth: 2 (5.1)

Height: 7-5/8 (19.3)

Weight: 2.6 lbs (1.2 kgs)

All dimensions are inches (centimeters) unless otherwise specified.



**ORDERING INFORMATION** For shortest lead times, configure product using **standard options (shown in bold)**: **Example: LQM S W 3 R 120/277 EL N**

LQM	Family	Face type	Housing color	3	Number of faces	Letter color	120/277	Input voltage <sup>2</sup>	EL N	Emergency operation	Options
LQM	S Stencil P Panel <sup>1</sup>	(blank) Black W White	3	Single face with extra faceplate and color panel	R Red G Green	120/277	Dual voltage	EL N	Nickel cadmium battery	(blank) None NOM NOM certified for Mexico <sup>3</sup> SD Self-diagnostics SDFIFA Self-diagnostics, fire alarm flashing interface and flashing emergency operation and intermittent audible alarm (one flash/one second)	

Accessories: Order as separate item.	
ELA WG1	Back-mount wireguard <sup>4</sup>
ELA WGEXT	Top-mount wireguard <sup>4</sup>
ELA WGEXE	End-mount wireguard <sup>4</sup>
ELA LQMUS12	12" stem kit <sup>5</sup>

### Notes

- Only available in custom signage. See spec sheet, [Custom-Signage](#).
- Some special voltages available. Consult factory.
- Available with stencil or panel faces in white housing, red letters only.
- See spec sheet [ELA-WG](#).
- See spec sheet [ELA-Stemkits](#).

## SPECIFICATIONS

ELECTRICAL				
Primary Circuit				
Type <sup>1</sup>	Typical LED life <sup>2</sup>	Supply voltage	Input watts	Max. amps
Red LED	10 years	120	.71	.05
		277	.92	.06
Green LED	10 years	120	.66	.05
		277	.70	.06

BATTERY				
Nickel Cadmium				
Voltage	Shelf life <sup>3</sup>	Typical life <sup>3</sup>	Maintenance <sup>4</sup>	Optimum temperature <sup>5</sup>
1.2	3 years	7-9 years	none	10°C - 40°C

### Notes

- LED lamps operate in normal (AC input) and emergency (DC input) modes.
- Based on continuous operation. The typical life of the exit LED lamp is 10 years.
- 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.

## MOUNTING

All dimensions are inches (centimeters) unless otherwise specified.

Shipping weight: 2.6 lbs. (1.2 kgs.)

