

FEATURES

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 pry out easily for lamp compartment access.

Universal directional chevron inserts are easily removed and reinserted. Uniform graphics illumination without shadows or hot spots. Reinforced, impact-resistant color panels. Letters 6" high with 3/4" stroke.

U.S. Patent No. 5,526,251, 5,611,163, 5,739,639, 5,954,423 and 6,502,044. Canada Patent No. 2,204,218. Other patents pending.

LAMP

LEDs mounted on printed circuit boards. Expected LED life over 25 years. Low energy consumption – less than one watt. LED lamp operates in normal (AC input) and emergency (DC input) modes.

BATTERY

Sealed, maintenance-free nickel-cadmium battery delivers 90-minute capacity to emergency lamps. Automatic recharge after battery discharge.

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 operation.

ELECTRONICS

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.

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

Single-point microcomputer control for all electronic features.

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.

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

| | |
|----------------|------|
| Catalog Number | |
| Notes | Type |

Thermoplastic Exits

LQM EL N

LED Lamps

Emergency Operation
Nickel-Cadmium Battery



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.

LISTING

UL listed (standard). NOM Certified (see Options). Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards, and State of Minnesota energy-efficient legislation requiring less than 20W consumption.

WARRANTY

Three-year total customer satisfaction warranty, including the LED lamps. For details, see the Product Selection Guide.

ORDERING INFORMATION

Example: **LQM S W 3 R 120/277 EL N**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number.

| LQM | | 120/277 | | EL N | | Options ¹ | |
|----------------|--|---------------------------------|--|--------------------------------|-----------------------------|------------------------------------|--|
| Family | Face type | Housing color | Number of faces | Letter color | Input voltage ³ | Emergency operation | |
| LQM LED | S Stencil A Aluminum appearance stencil ¹ P Panel ^{1,2} | (blank) Black W White | 1 Single face ⁹ 3 Single face with extra faceplate and color panel | R Red G Green | 120/277 Dual voltage | EL N Nickel-cadmium battery | (blank) None F Flashing emergency operation (one flash/sec) ^{1,5,8} FI Fire alarm flashing interface ^{1,5} FA Flashing emergency operation and intermittent audible alarm (one flash/sec) ^{1,5} |

NOTES:

- See back of spec sheet for special housing dimensions. Consult factory for compatible accessories.
- Special wording available in red or green. Consult factory.
- Some special voltages available. Consult factory.
- Only available with SD options.
- Choice of F, FA or FI. Not available with more than one.
- Not available with Aluminum (A) face type.
- Letters 6" high with 7/16" stroke.
- Not available with SD.
- Only available with options.

Accessories

Order as separate item.

- ELA WGEX** Back-mount wireguard
- ELA WGEXT** Top-mount wireguard
- ELA WGEXE** End-mount wireguard

- SALIDA** Salida signage^{1,6,7}
- NOM** NOM Certified for Mexico^{1,8}
- DL** Damp location^{1,8}
- SD** Self-diagnostics¹

LQM EL N Emergency LED, Quantum

SPECIFICATIONS

ELECTRICAL

Primary Circuit

| Type ¹ | Rated LED life ² | Supply voltage | Input watts | Max. amps |
|-------------------|-----------------------------|----------------|-------------|-----------|
| | | 120 | .71 | .05 |
| Red LED | 25+ years | 277 | .92 | .06 |
| Green LED | 25+ years | 277 | .66 | .05 |
| | | 277 | .70 | .06 |

BATTERY

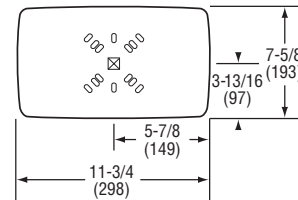
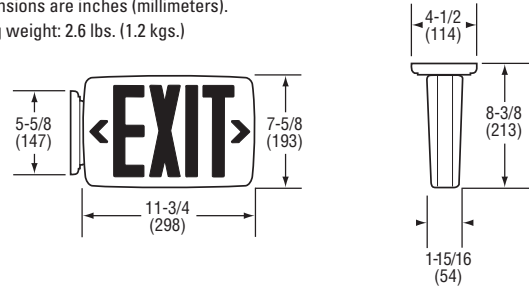
Nickel-Cadmium

| Voltage | Shelf life ³ | Expected life ³ | Maintenance | Optimum temperature ⁵ |
|------------------|-------------------------|----------------------------|-------------------|----------------------------------|
| 1.2 ⁶ | 3 yrs. | 7-9 yrs. | none ⁴ | 32°-100°F (0°-37.8°C) |

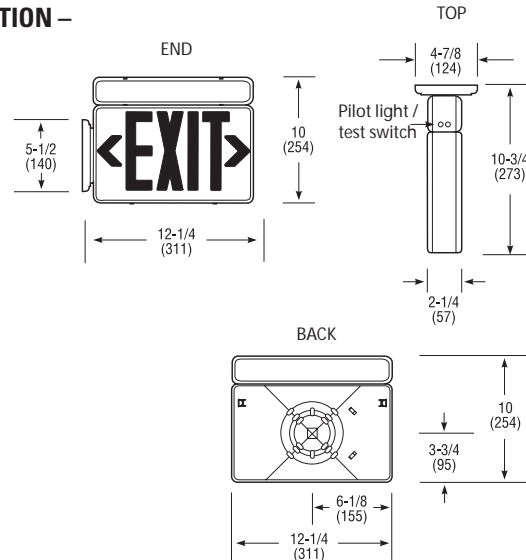
- LED lamps operate in normal (AC input) and emergency (DC input) modes.
- Based on continuous operation.
- At 77°F (25°C).
- Periodic system status test recommended.
- Optimum ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity. Consult factory for detailed information.
- 2.4 Volts for DL option.

MOUNTING

All dimensions are inches (millimeters).
Shipping weight: 2.6 lbs. (1.2 kgs.)



SD OPTION -



With Options - (Including: aluminum appearance stencil, panel faceplates and black housing)

