

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Suitable for applications requiring both exit sign and unit equipment. Attractive, 8" tall, streamlined design is great for above-the-door applications and other tight fits. Optional high-output version with remote lamps are ideal for emergency egress lighting. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table, for suitable uses.](#)

**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 fasteners. Faceplate and back cover are interchangeable on housing. Positive snap-fit tabs hold faceplate securely, yet are easily removable for lamp compartment access. Universal, directional chevron inserts are easily removed and reinserted.

Uniform graphics illumination without shadows or hot spots. Letters are 6" high with 3/4" stroke, with 100 ft. viewing distance rating, based upon UL924 standard.

LEDs mounted on primary circuit boards for sign illumination. The typical life of the exit LED lamp is 10 years. Low-energy LED lamp in sign operates in normal (AC input) and emergency (DC input) modes.

Twin LED lamp heads operate in emergency (DC input) mode with 12 series-parallel white LEDs in each head. Provides redundant light sources to ensure emergency lighting performance.

Dual-voltage input capability (120/277V). Edge connector on printed circuit board ensures long-term durability. Low-profile, integrated test switch/pilot light. Easily viewed bright red status indicator.

Unique track-and-swivel arrangement permits full range of direction of lamp head adjustment. Universal J-box mounting pattern. Tool-less access for maintenance. Conduit entry position on top of unit.

**U.S. Patent No. 6,848,798; 6,499,866; 6,142,648; 5,797,673; D379,373; 5,526,251; D484,272; D473,672; 5,611,163; 5,646,502.**

**ELECTRICAL** — Current-limiting charger maximizes battery life and minimizes energy consumption. Provides low operating costs.

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts.

Thermal compensation adjusts charger output to provide optimum charge voltage relative to ambient temperature.

Regulated charge voltage maintains constant-charge voltage over a wide range of line voltages. Prevents over/undercharging that shortens battery life and reduces capacity.

Filtered charger input minimizes charge voltage ripple and extends battery life.

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

Single multi-color LED indicator to display two-state charging, test activation and three-state diagnostic test. Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection. Self-diagnostic testing for 30 seconds every 30 days, and for 30 minutes every 180 days, and for 90 minutes annually. Diagnostic evaluation of LED light source, AC-to-DC transfer, charging and battery condition.

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

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



Thermoplastic Exits

# LHQM LED

LED LAMP HEAD  
Nickel-Cadmium Battery



Low-voltage disconnect prevents excessively deep discharge that can permanently damage the battery. Optional high-output battery to power both local and optional LED remote lamp heads simultaneously.

**INSTALLATION** — Quick-mount installation - less than 5 minutes. Top, end or back mounting. Housing snaps to canopy with positive-locking tabs. Cam locking pin secures housing to canopy.

Easily removed mounting knockouts. Conduit entry knockout for 1/2" flexible conduit. J-box pattern on back panel.

**LISTINGS** — UL damp location listed standard 50-104°F (10-40°C). Meets UL 924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards.

**WARRANTY** — Five-year limited warranty.

Note: Specifications subject to change without notice.

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

### ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LHQM LED G

| LHQM Family  | LED Lamp type               | Housing color            | Letter color     | Options   |
|--|-----------------------------|--------------------------|------------------|---|
| LHQM Stencil face, single face plate with extra face plate | LED Two 1.5W/9.6V white LED | (blank) White<br>B Black | R Red<br>G Green | HO High-output Ni-cad battery<br>HO RO High-output option, less lamp heads <sup>1</sup><br>SD Self-diagnostics <sup>10</sup><br>NOM Meets Mexican standards <sup>2</sup><br>SALIDA NOM Salida signage (non-UL) <sup>3</sup> |

### Accessories: Order as separate catalog number.

|                 |   |                  |   |
|-----------------|---|------------------|---|
| ELA Q L0309     | Single LED indoor remote head, white <sup>4,5,7</sup>       | ELA LQMUS12      | 12" brushed aluminum stem kit <sup>8</sup>        |
| ELA T Q L0309   | Twin LED indoor remote head, white <sup>4,5,7</sup>         | ELA LED M12      | Single LED remote lamp <sup>9</sup>               |
| ELA QWP L0309   | Single LED weather-proof remote head, gray <sup>4,5,7</sup> | ELA LED T M12    | Double LED remote lamp <sup>9</sup>               |
| ELA T QWP L0309 | Twin LED weather-proof remote head, gray <sup>4,5,7</sup>   | ELA LED WP M12   | Single LED Weather proof remote lamp <sup>9</sup> |
| ELA WG3         | Wireguard, 30"W x 13-1/2" H x 6" D <sup>6</sup>             | ELA LED T WP M12 | Double LED Weather proof remote lamp <sup>9</sup> |
| ELA WG2M        | Wireguard, 21-1/4"W x 15" H x 12" D <sup>6</sup>            |                  |   |

### Notes

- 1 Only available with HO option.
- 2 Available in black or white. Consult factory for options.
- 3 Only available in white. NOM standard.
- 4 Only compatible with Quantum LED series. For use with self-diagnostic fixture, add SD to end of catalog number. Example: ELA Q L0309 SD.
- 5 Also available in black. Add "B" after ELA to order black finish. Example: ELA B Q L0309.
- 6 See spec sheet [ELA-WG](#).
- 7 See spec sheet [ELA-Q-LED](#).
- 8 See spec sheet [ELA-Stemkits](#).
- 9 See spec sheet [ELA LED](#) (Contractor Select LED Remotes).
- 10 Not available with HO RO.

# LHQM LED QUANTUM® Exit/Unit Combo

## SPECIFICATIONS

### ELECTRICAL

#### Primary Circuit

|                 | Typical LED life <sup>1</sup> | Supply voltage | Max. amps | Max. watts |
|-----------------|-------------------------------|----------------|-----------|------------|
| Red & Green LED | 10 years                      | 120 / 277      | .04 / .02 | 4.3 / 5.2  |

### BATTERY

|            | Voltage | Shelf life <sup>2</sup> | Typical life <sup>2</sup> | Maintenance <sup>3</sup> | Optimum temperature <sup>4</sup> |
|------------|---------|-------------------------|---------------------------|--------------------------|----------------------------------|
| Ni-cad (N) | 9.6     | 3 years                 | 7-9 years                 | none                     | 50-104°F (10-40°C)               |

#### Notes

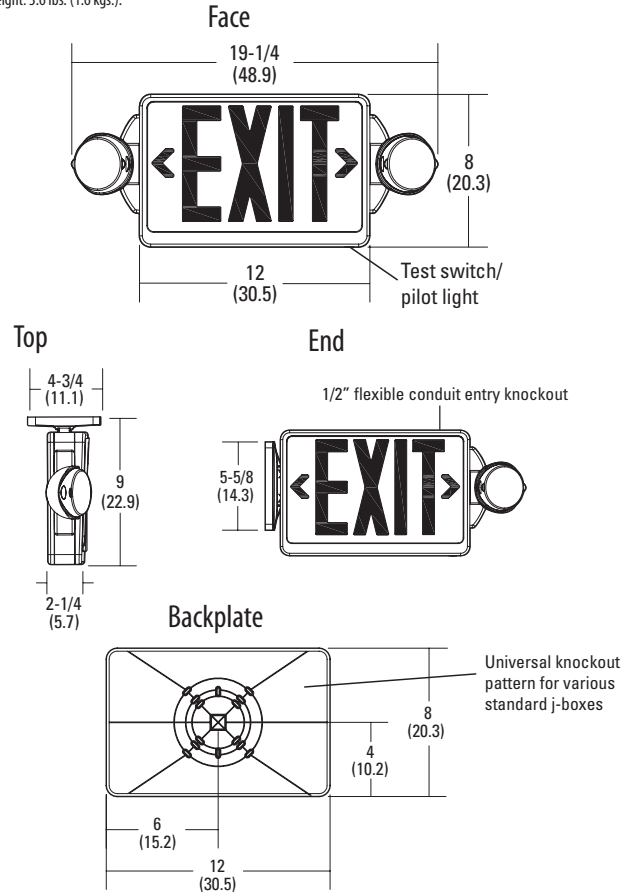
- Based on continuous operation. The typical life of the exit LED lamp is 10 years.
- At 77°F (25°C).
- All life safety equipment, including emergency lighting path of egress, must be maintained, serviced and tested in accordance with all National Fire Protection Association and local codes. Failure 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.

### REMOTE OUTPUT CAPACITY

| Standard combo | Combo | Combo \ high-output battery (HO) | Combo \ high-output (HO) & no heads (RO) |
|----------------|-------|----------------------------------|--|
| NA             | NA    | 6W                               | 12W                                      |

## MOUNTING

All dimensions are inches (centimeters).  
Shipping weight: 3.6 lbs. (1.6 kgs.).

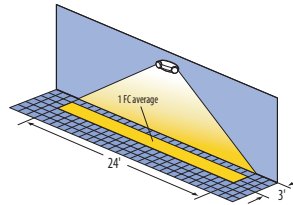


## LAMP PHOTOMETRICS

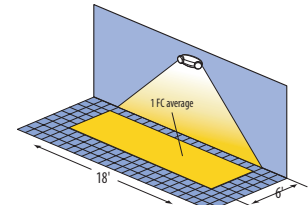
### QUANTUM LED SERIES – SINGLE COVERAGE

3W Total White LEDs

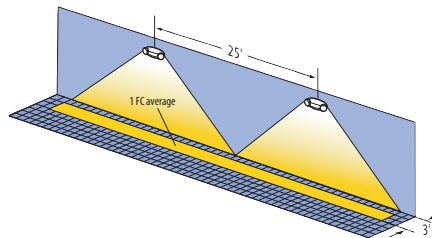
Using a single unit at a typical 7.5' mounting height delivers an average illuminance of 1.0 FC over a distance of 24' on a 3' path of egress and 18' on a 6' path of egress.



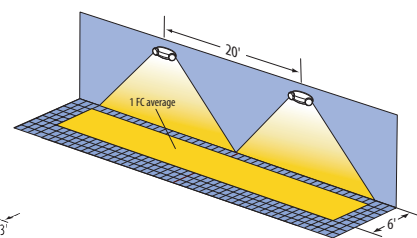
Example of single LHQM LED exit illuminating a 3' path of egress



Example of single LHQM LED exit illuminating a 6' path of egress



Example of multiple LHQM LED exits illuminating a 3' path of egress



Example of multiple LHQM LED exits illuminating a 6' path of egress

### QUANTUM LED SERIES – MULTIPLE COVERAGE

3W Total White LEDs

Using multiple units at a typical 7.5' mounting height delivers 25' center-to-center spacing on a 3' path of egress and 20' center-to-center spacing on a 6' path of egress.

## EXTENDED RUN-TIME FOR HIGH-OUTPUT EXITS

| Product                     | Run time  |
|-----------------------------|-----------|
| LHQM LED HO (no remotes)    | 3.8 hours |
| LHQM LED HO RO (no remotes) | 7.5 hours |