



## 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 and/or polycarbonate.** [Click here for Acrylic- Polycarbonate 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. Low-energy LED lamp in sign operates in normal (AC input) and emergency (DC input) modes.

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.**

**OPTICS** — The typical life of the exit LED lamp and LED lamphead is 10 years.

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.

**ELECTRICAL** — Dual-voltage input capability (120/277V).

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 seconds 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.

Catalog Number
Notes
Type



HO RO, RO

**MAGELLAN**  
Thermoplastic Exits

# QM LED

**LED LAMP HEAD**  
Nickel-Cadmium Battery



**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. Low-voltage disconnect prevents excessively deep discharge that can permanently damage the battery. Optional high-output battery (HO or HO RO option) 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** — 5-year limited warranty. (Battery is prorated.) Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

### ORDERING INFORMATION

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

**Example: QM LED G**

QM Family	LED Lamp type	Housing color	Letter color	Operation	Options
QM Stencil face, single face plate with extra face plate	LED Two 1.5W/9.6V white LED	(blank) White B Black	R Red G Green	HO High-output Ni-cad battery HO RO High-output option, less lamp heads SD Self-diagnostics RO Less lamp heads (no remote capability)	USPOM Assembled in the US

### Accessories: Order as separate catalog number.

ELA QM L0309	Single LED indoor remote head, white <sup>1,2,3</sup>	ELA QM QWP L0309 SD	Single LED weather-proof remote head, gray, self-diagnostics <sup>1,2,3,4</sup>
ELA QM T L0309	Twin LED indoor remote head, white <sup>1,2,3</sup>	ELA QM T QWP L0309 SD	Twin LED weather-proof remote head, gray, self-diagnostics <sup>1,2,3</sup>
ELA QM WP L0309	Single LED weather-proof remote head, gray <sup>1,2,3</sup>	ELA WG3	Wireguard, 13 3/4"H x 30 5/8"W x 6"D <sup>5</sup>
ELA QM T WP L0309	Twin LED weather-proof remote head, gray <sup>1,2,3</sup>	ELA WG2M	Wireguard, 15"H x 21 1/4"W x 12"D <sup>5</sup>
ELA QM L0309 SD	Single LED indoor remote head, white, self-diagnostics <sup>1,2,3,4</sup>	ELA LQMUS12	12" white stem kit (Not available with swivel)
ELA QM T L0309 SD	Twin LED indoor remote head, white, self-diagnostics <sup>2,3,4</sup>		

### Notes

- Only compatible with LED series. For use with self-diagnostic fixture, add SD to end of catalog number. Example: ELA QM L0309 SD.
- Also available in black. Add "B" after ELA to order black finish. Example: ELA QM B L0309.
- See spec sheet [ELA C711-QM LED](#).
- Only compatible with self-diagnostic option (ex: HO SD)
- See spec sheet [ELA-DM-PM-CM-WG](#).

# MAGELLAN QM LED 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	.05	4.3
		277	.03	4.3

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

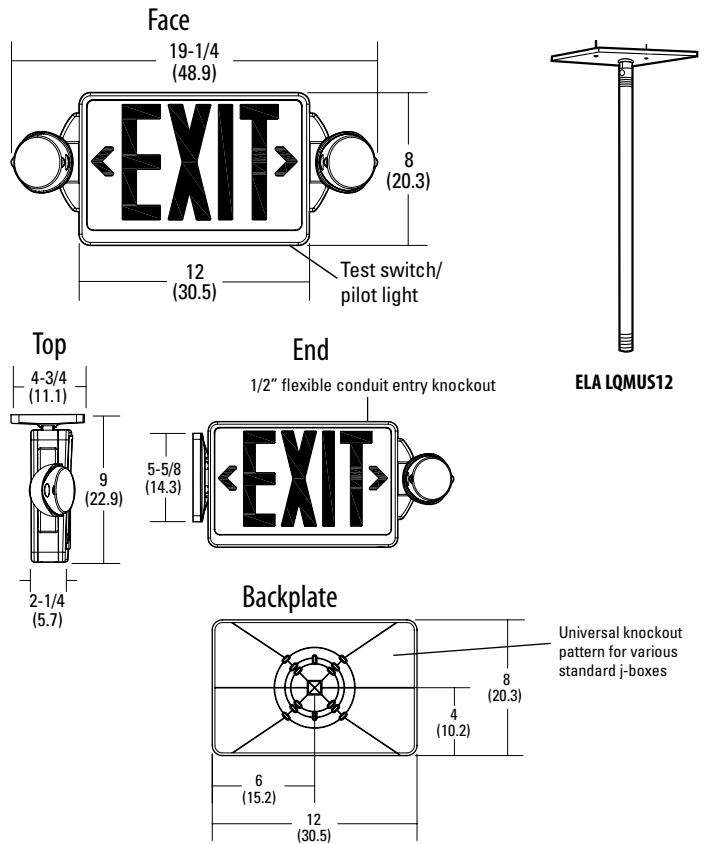
REMOTE OUTPUT CAPACITY			
Standard combo	Combo	Combo/ high-output battery (HO)	Combo/ high-output & no heads (HO RO)
NA	NA	3W	6W

### Notes

- Based on continuous operation. The typical life of the 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.

## MOUNTING

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

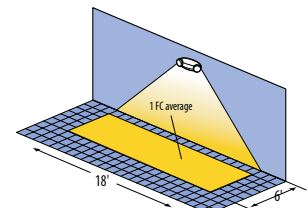
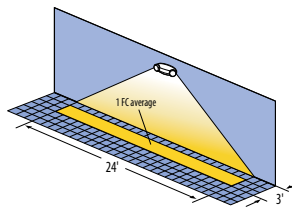


## LAMP PHOTOMETRICS

### 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.



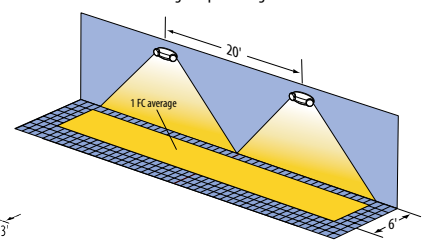
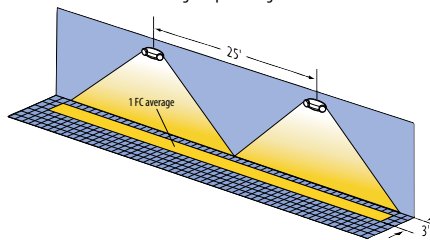
Example of single QM LED exit illuminating a 3' path of egress

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

### 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.



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

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

## EXTENDED RUN-TIME FOR HIGH-OUTPUT EXITS

Product	Run time
QM LED HO (no remotes)	3.8 hours
QM LED HO RO (no remotes)	7.5 hours

