

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. <u>Click here for Acrylic- Polycarbonate Compatibility</u> 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. Selfdiagnostic 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.

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MAGELLAN Thermoplastic Exits



LED LAMP HEAD Nickel-Cadmium Battery

HO RO, RO



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. Universal mounting canopy for top or end mount. Back mount standard for single face only. 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. Meets all applicable FCC Title 47, Part 15, Subpart B requirements.

Notes

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Only compatible with HO or HO RO.

Not compatible with SD operation. Only compatible with HO SD or

HO RO SD operations.

WARRANTY — 5-year limited warranty. (Battery is prorated.) Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

† Exit Signs Certified in the CA Title 20 Appliance Efficiency Database.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.						Example: QM LED G				
QM LED										
Famil	ly	Lamp	type	Housing	color	Lett	er color	Options		
QM	Stencil face, single face plate with extra face plate	LED	Two 1.5W/9.6V white LED	(blank) B	White Black	R G	Red Green	HO HO RO SD RO USPOM	High-output Ni-cad battery High-output option, less lamp heads Self-diagnostics Less lamp heads (no remote capability) Assembled in the US	

Accessories: Order as s	eparate catalog number.		
ELA QM B L0309	Single LED indoor remote head, black ¹	ELA WG3	Wireguard, 13 3/4"H x 30 5/8"W x 6"D
ELA QM T L0309	Twin LED indoor remote head, white ¹	ELA WG2M	Wireguard, 15"H x 21 1/4"W x 12"D
ELA QM B T L0309	Twin LED indoor remote head, black ¹	ELA LQMUS12	12" white stem kit (Not available with swivel)
ELA QM B L0309 SD	Single LED indoor remote head, black, self-diagnostics ²		
ELA QM B T L0309 SD	Twin LED indoor remote head, black, self-diagnostics ²		

MAGELLAN QM LED Exit/Unit Combo

SPECIFICATIONS

ELECTRICAL				
Primary Circuit				
	Typical LED Life ¹	Supply Voltage	Max Amps	Max Watts
Red & Green LED	10.00000	120	.05	4.3
	10 years	277	.03	4.3

BATTERY

Ni-cad (N)						
Voltage	Typical Shelf life²	Typical life ²	Maintenance ³	Temperature range⁴		
9.6	3 years	7–9 years	none	50° – 104°F (10° – 40°C)		

REMOTE OUTPUT CAPACITY			
Standard combo	Combo	Combo/ high-output battery (H0)	Combo/ high-output & no heads (HO RO)
NA	NA	3W	6W

Notes

1 Based on continuous operation. The typical life of the LED lamp is 10 years.

2 At 77°F (25°C).

SINGLE COVERAGE

6' path of egress.

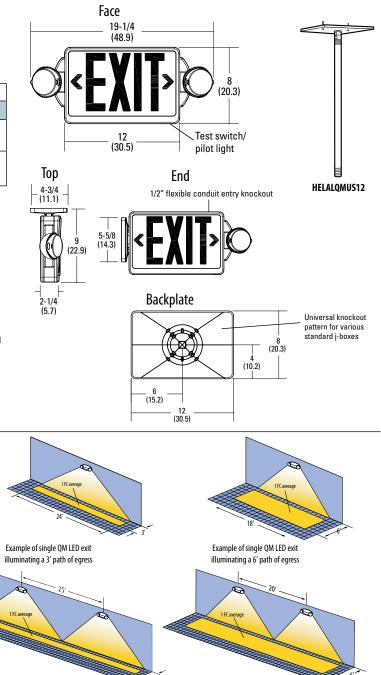
3W Total White LEDs

LAMP PHOTOMETRICS

- 3 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.
- 4 Optimum ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity.



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



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.

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

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

EXTENDED RUN-TIME FOR HIGH-OUTPUT EXITS Product Run time

Plouuci
QM LED HO (no remotes)
QM LED HO RO (no remotes)

3.8 hours 7.5 hours



QM LED

Example of multiple QM LED exits

illuminating a 6' path of egress