

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, 30 minutes at 180-day interval, and 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. 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.

Catalog Number
Notes
Type



LHQM LED

LED Lamp Head
Nickel-Cadmium Battery



Wireless Reporting System: Data from self-diagnostics will be communicated via wireless transceivers within their vicinity, creating a self-configuring, self-healing and self-optimizing wireless network that exchanges the data between FIDO-compatible emergency lighting fixtures on an event-driven basis. Wireless communications electronics to operate 2.4GHz mesh network are enclosed entirely within the fixture.

Must be ordered with FIDO edge router.

INSTALLATION — 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. Radio range is 500' between fixtures in most buildings. Actual performance may vary depending on application environment and electromagnetic interference. Substantially longer distances have been recorded in uninterrupted open air. Consult factory for more details.

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. Full warranty terms located at www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx.

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 B Black	R Red G Green	HO High-output Ni-cad battery HO RO High-output option, less lamp heads ¹ SD Self-diagnostics	NOM SALIDA NOM WRS	Meets Mexican standards ² Salida signage (non-UL) ³ Dual-voltage 120/277, nickel-cadmium battery back-up and self-diagnostics with FIDO wireless reporting system capability

Accessories: Order as separate catalog number.			
ELA Q L0309 SD	Single LED indoor remote head, white, self-diagnostics ^{4,5,6}	ELA WG3	Wireguard, 30"W x 13-1/2" H x 6" D ⁷
ELA T Q L0309 SD	Twin LED indoor remote head, white, self-diagnostics ^{4,5,6}	ELA WG2M	Wireguard, 21-1/4" W x 15" H x 12" D ⁷
ELA QWP L0309 SD	Single LED weather-proof remote head, gray, self-diagnostics ^{4,5,6}	ELA LQMUS12	12" brushed aluminum stem kit ⁸
ELA T QWP L0309 SD	Twin LED weather-proof remote head, gray, self-diagnostics ^{4,5,6}	ELA LED M12	Single LED remote lamp ^{9,10}
ELA Q L0309	Single LED indoor remote head, white ^{4,5,6}	ELA LED T M12	Double LED remote lamp ^{9,10}
ELA T Q L0309	Twin LED indoor remote head, white ^{4,5,6}	ELA LED WP M12	Single LED Weather proof remote lamp ^{9,10}
ELA QWP L0309	Single LED weather-proof remote head, gray ^{4,5,6}	ELA LED T WP M12	Double LED Weather proof remote lamp ^{9,10}
ELA T QWP L0309	Twin LED weather-proof remote head, gray ^{4,5,6}		

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.
- 5 Also available in black. Add "B" after ELA to order black finish. Example: ELA B Q L0309.
- 6 See spec sheet [ELA-Q-LED](#).
- 7 See spec sheet [ELA-WG](#).
- 8 See spec sheet [ELA-Stemkits](#).
- 9 See spec sheet [ELA LED](#) (Contractor Select LED Remotes).
- 10 Not available with SD.

LHQM LED QUANTUM® Exit/Unit Combo

SPECIFICATIONS

Electrical				
Primary Circuit				
	Typical LED life ¹	Supply voltage	Max amps	Max watts
Red and green LED	10 years	120	.05	4.3
		277	.03	4.3

BATTERY

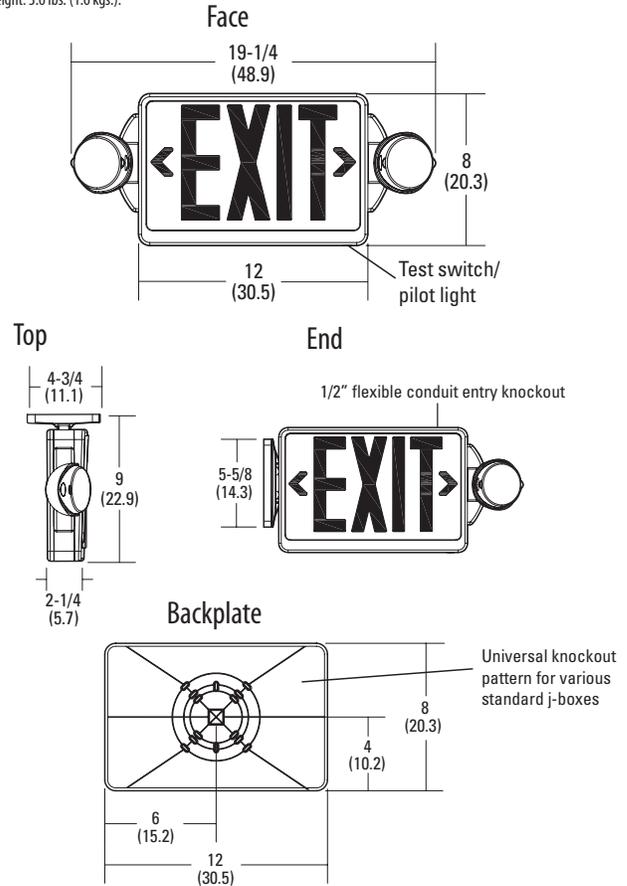
Ni-Cad				
Voltage	Shelf life ²	Typical life ²	Maintenance ³	Optimum temperature ⁴
9.6	3 years	7-9 years	none	50-104°F (10-40°C)

- Based on continuous operation.
- 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 unit	Combo	Combo/high-output battery(HO)	Combo/high-output (HO) and no heads (RO)
NA	NA	6W	12W

MOUNTING

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

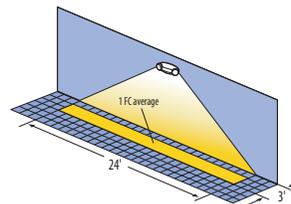


LAMP PHOTOMETRICS

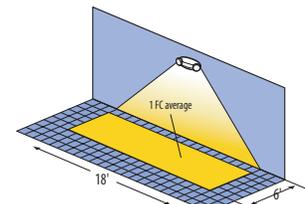
QUANTUM LED SERIES – SINGLE COVERAGE

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 WRS exit illuminating a 3' path of egress

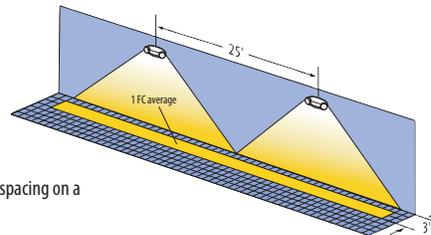


Example of single LHQM LED WRS exit illuminating a 6' path of egress

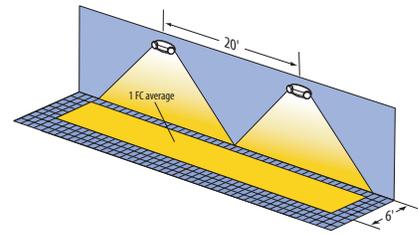
QUANTUM LED SERIES – MULTIPLE COVERAGE

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.



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



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

EXTENDED RUN-TIME FOR HIGH-OUTPUT EXITS

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