

FEATURES & SPECIFICATIONS

INTENDED USE — The LHQM Exit Combo is great for applications requiring both an exit sign and emergency unit equipment in one product. The LHQM provides a sleek, modern and uniform aesthetic for any general purpose life safety application. It is available with an optional high-output option to power remote heads for an egress lighting system. **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 uni-body 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 internal access. Reinforced, impact-resistant red/green color panels.

EXIT: Letters 6" high with 3/4" stroke, meets luminance requirements based on UL924 standards.

SALIDA: Letters 4.2" high.

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 — LED light heads are adjustable forward/backwards, up/down and left/right for optimal adjust-ability. LEDs operate for a minimum of 90 minutes in battery back-up mode.

The typical life of the exit combo LED is >5 years, based on 24/7 operation.

One, 1.2W LED per light head.

ELECTRICAL — Multi-volt, 120-277VAC, 50/60Hz.

LHQM (including SD only): 7.2V, 1200mAh Ni-Cad Battery.

LHQM HO and HO SD: 7.2V, 1800mAh Ni-Cad Battery. Provides 2.4W of Remote Capacity.

Self-Diagnostic Testing (SD option): Units with this option automatically performs a 5-minute self-diagnostic test of the charging electronics, battery, and lamps every 30 days, and a 90-minute test every year. First self-test occurs within 15 days of continuous AC Power and annual test after 180 days of continuous AC power. SD performs a diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition. SD provides constant light output for the local lamphoods.

AEIR Option: STAR (Self-testing Automated Reporting) radio transmits monthly and annual test results and diagnostics information for automated reporting requirements.

For more information visit AcuityBrands.com/STAR.

INSTALLATION — Mounting canopy provides both top and back mount capability. Canopy design uses cam locking pin to secure sign to canopy with no visible hardware seen from the floor.

Ships as a single sided exit with additional face plate and red/green color panels to easily convert from single face exit to double face exit.

Directional chevrons can be easily removed and reinserted depending on the application.

LISTINGS — UL Listed. UL damp location 50°F to 104°F (10°C to 40°C) listed. Meets all applicable requirements for UL 924, NFPA 101 (current Life Safety Code), NFPA 70 (NEC), California Energy Commission Title 20 section 1605.3 (W)(4) and OSHA. Meets all applicable FCC Title 47, Part 15, Subpart B requirements. SALIDA meets NOM certified.

BUY AMERICAN ACT — BAA – Buy American Act: This product is available in a version that qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. (Battery is prorated). This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. 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.

Catalog Number
Notes
Type

QUANTUM®

Thermoplastic Exit Combo

LHQM



White



Black



Brushed Silver



White



Black



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.

*See ordering tree for details

LHQM Red/Green Selectable QUANTUM® Exit/Unit Combo

CS

CONTRACTOR SELECT

Looking for Contractor Select readily available configurations? Click here to visit Contractor Select™ spec sheet or go to www.contractorselect.com

ds

DESIGN SELECT

Design Select options indicated by this color background.

ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

Example: LHQM S W RG MVOLT M6

LHQM Family	Face type	Housing color	Letter color	Voltage	Options
LHQM Stencil face, single face plate with extra face plate for field conversion from single face to double face	S Stencil	W White B Black BBS Black with brushed silver faceplate	RG Red/Green Switchable	MVOLT 120-277VAC; 50/60Hz	(blank) None HO High-output Ni-cad SD Self-diagnostics AELR Automatic Emergency Lighting Reporting ¹ BAA Buy American Act Compliant ² SALIDA SALIDA signage, NOM standard ³

Accessories: Order as separate catalog number.					
ELA WG3	Wireguard, 30" W x 13-1/2" H x 6" D ⁴	ELMRE LP220L SGL	1.2W Single Remote Head, White ⁶	ERE W SGL SQ M12	Single, LED indoor remote head, square, ivory white, 1W, 3.6V-12V voltage sensing ⁷
ELA LQMUS12	12" Stem kit, brushed aluminum with white canopy ⁵	ELMRE LP220L T	2.4W Twin Remote Head, White ⁶	ERE W T SQ M12	Twin, LED indoor remote head, square, ivory white, 2W, 3.6V-12V voltage sensing ⁷
		ELMRW LP220L DWHXD SGL	1.2W Single Remote Head, White (Wet Location Rated) ⁶	ERE GY SGL WP SQ M12	Single, LED weather-proof remote head, square, gray, 1W, 3.6V-12V voltage sensing ⁷
		ELMRW LP220L DWHXD T	2.4W Twin Remote Head, White (Wet Location Rated) ⁶	ERE GY T WP SQ M12	Twin, LED weather-proof remote head, square, gray, 2W, 3.6V-12V voltage sensing ⁷
				AFB OELR DWHGXD WT	Remote fixture, normally off, white textured, wide throw, 2.6 watts ⁸

- Notes
- 1 AELR must be ordered with SD (self-diagnostics). Not available with SALIDA.

2 BAA option only available with white housing. Not available with SALIDA option.
Ex: LHQM S W RG MVOLT BAA M6

3 Only available in white or black housing. Not available with BAA or AELR options. Does not meet UL924 listing.

4 See spec sheet [ELA-WG](#).

5 See spec sheet [ELA-Stemkits](#).

6 Only compatible with HO option. The LP220L is the only remote lamp type compatible with LHQM and HO option. Spec sheet [ELMRE](#) or [ELMRW](#).

7 Only compatible with HO option. See spec sheet [ERE](#).

8 Only compatible with HO option. See spec sheet [AFB](#).

Enabled with STAR

Emergency Lighting with Self-Testing Automated Reporting (STAR), enables self-testing and automated reporting to aid in life safety code compliance. Build your solution and choose your preferred deployment from Mobile STAR, where test data is logged in each individual unit and broadcast to the **CIAIRity™+** app, or Connected STAR, where test data is logged in the STAR Gateway by IOTA® and emailed directly. **Leave the ladders, disruptions and written records behind with emergency lighting solutions with STAR!**

Life Safety Code NFPA 101 testing and reporting requirements for emergency lighting include:

- Testing for 30 seconds every 30 days
- Testing for 90 minutes once a year
- Record keeping and to report to the authority having local jurisdiction

MOBILE STAR

For small scale applications

CONNECTED STAR

For large scale applications

SPECIFICATIONS

Electrical				
Primary Circuit				
	Typical LED life¹	Supply voltage	Max amps	Max watts
Red and green LED	>5 years	120	.05	3.5
		277	.03	4.5
Red and Green LED, SD and HO SD	>5 years	120V	0.047	3
		277V	0.032	3.5

BATTERY

Ni-Cad				
Voltage	Typical Shelf life²	Typical life²	Maintenance³	Temperature range⁴
7.2	3 years	6-8 years	none	50-104°F (10-40°C)

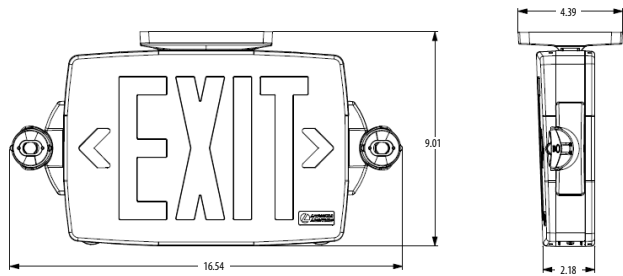
- 1 Based on 24/7 operation. The typical life of the exit LED lamp is >5 years.
- 2 At 77°F (25°C).
- 3 All life safety equipment, including emergency lighting path of egress, must be maintained, serviced and tested in accordance with all National Fire Protection Association and local codes. Failure to perform the required maintenance, service or testing could jeopardize the safety of occupants and will void all warranties.
- 4 Temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity.
- 5 Battery life is negatively impacted by many variables including temperature, charging rates, number of cycles and deep discharges due to long periods of time without AC power.

MOUNTING

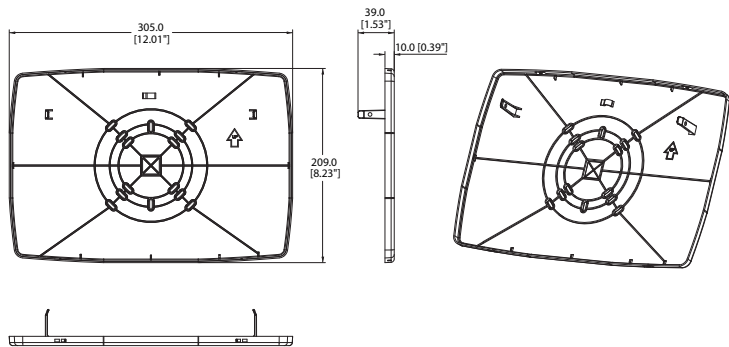
All dimensions are inches (centimeters).

Weight: 3.3 lbs. (1.9 kgs.).
(HO) 3.4 (1.54 kgs.)

Length: 16.5" (42)
Width: 2.5" (6.2)
Height: 8.2" (21)



Back Mounting



EXTENDED RUN-TIME FOR HIGH-OUTPUT EXITS

Product	Run time
LHQM HO (no remotes)	3 hours

Remote Output Capacity		
Standard unit	Combo	Combo/high-output battery(HO)
NA	NA	2.4W

REMOTES

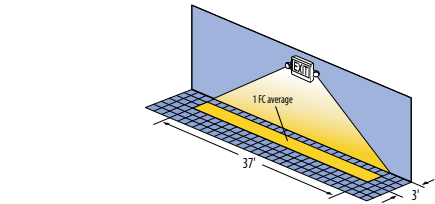
Battery Capacity and Loading Matrix ¹						
Battery Option (HO only)	Battery Voltage	Remote Capacity 90 Minutes	ERE SGL SQ Maximum # Remote Lamps	ERE T SQ Maximum # Remote Lamps	ELMRE / ELMRW LP220L (1.2 Watts each) Maximum # Remote Lamps	AFB OELR WT (2.6 Watts) Maximum # Remote Lamps
LHQM RG HO	7.2V	2.4 watts	2	1	2	1

- Notes
1. These are in addition to the lamp heads on the product.

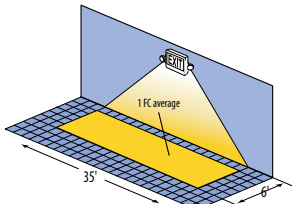
Maximum Spacing Guidelines - LHQM				
Mounting Height	Single Luminaire		Multiple Luminaires	
	3' Path of Egress	6' Path of Egress	3' Path of Egress	6' Path of Egress
7.5'	37'	35'	44'	40'
10'	31'	27'	42'	34'

LAMP PHOTOMETRICS

QUANTUM Red/Green Switchable – SINGLE COVERAGE
2.4W 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 37' on a 3' path of egress and 35' on a 6' path of egress.

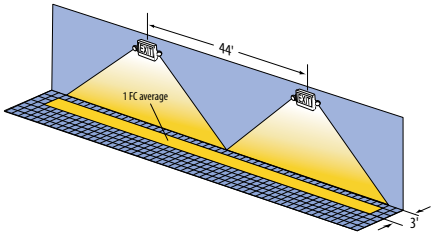


Example of single LHQM exit illuminating a 3' path of egress

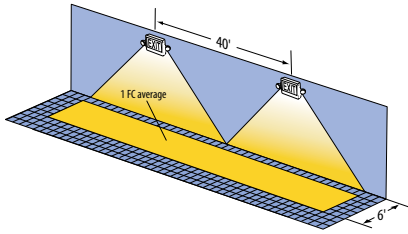


Example of single LHQM exit illuminating a 6' path of egress

QUANTUM Red/Green Switchable SERIES – MULTIPLE COVERAGE
2.4W Total White LEDs
Using multiple units at a typical 7.5' mounting height delivers 44' center-to-center spacing on a 3' path of egress and 40' center-to-center spacing on a 6' path of egress.



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



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