LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

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-O 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.

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

ELECTRICAL — Dual-voltage input capability (120/277V). Edge connector on printed circuit board ensures long-term durability.

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 contstant-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.

INSTALLATION — 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.

Ships standard as single face exit with additional face plate and color panel. Allows capability to convert a single sided exit to a double sided exit in the field.

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.

BUY AMERICAN ACT — BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.
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.

QUANTUM®
Thermoplastic Exits

LHQM LED

LED Lamp Head
Nickel-Cadmium Battery

HO RO

LHQM LED QUANTUM® Exit/Unit Combo

ORDERING INFORMATION

Example: LHQM LED B G SD M6

Catalog Number	Description
LHQM LED G SD M6	White Thermoplastic, LED Exit/Adjustable LED 2 Headed Unit Combo, Single Stencil Face, with Extra Face Plate, Green Letters, Ni-Cad Battery, Self Diagnostic
LHQM LED B G SD M6	Black Thermoplastic, LED Exit/Adjustable LED 2 Headed Unit Combo, Single Stencil Face, with Extra Face Plate, Green Letters, Ni-Cad Battery, Self Diagnostic
LHQM LED G HO SD M6[1]	White Thermoplastic, LED Exit/Adjustable LED 2 Headed Unit Combo, Single Stencil Face, with Extra Face Plate, Green Letters, High Output Ni-Cad Battery, Self Diagnostic
LHQM LED B G HO SD R0 M6[1]	Black Thermoplastic, LED Exit/Adjustable LED 2 Headed Unit Combo, Single Stencil Face, with Extra Face Plate, Green Letters, High Output Ni-Cad Battery, Less Heads, Self Diagnostic

Notes

1 When operating ERE SQ T remotes off of HO battery, temperature range of LHQM LED is limited to 68°-104°F (20°-40°C), with a 48-hour battery recharge time.

2 Not available with SD. Only available with HO or HO R0 configurations. WP (weather proof) only available in black or gray. See spec sheet ERE. When operating ERE SQ T remotes off of HO battery, temperature range of LHQM LED is limited to 68°-104°F (20°-40°C), with a 48-hour battery recharge time.

3 Only available with HO SD or HO SD R0 configurations. WP (weather proof) only available in black or gray. See spec sheet ERE. When operating ERE SQ T remotes off of HO battery, temperature range of LHQM LED is limited to 68°-104°F (20°-40°C), with a 48-hour battery recharge time.

Accessories: *Order as separate catalog number.*

ELA WG3	Wireguard, 30" W x 13-1/2" H x 6" D (See spec sheet ELA-WG.)
ELA LQMUS12	12" white stem kit (See spec sheet ELA-Stemkits.)
ERE W SGL SQ M12	Single, LED indoor remote head, square, ivory white, .75W, 3.6V-12V voltage sensing[2]
ERE W T SQ M12	Twin, LED indoor remote head, square, ivory white, 1.5W, 3.6V-12V voltage sensing[2]
ERE GY SGL WP SQ M12	Single, LED weather-proof remote head, square, gray, 1W, 3.6V-12V voltage sensing[2]
ERE GY T WP SQ M12	Twin, LED weather-proof remote head, square, gray, 2W, 3.6V-12V voltage sensing[2]
ERE W SGL SD SQ M12	Single, LED indoor remote head, square, white, self-diagnostics, 1W, 3.6V-12V voltage sensing[3]
ERE W T SD SQ M12	Twin, LED indoor remote head, square, white, self-diagnostics, 2W, 3.6V-12V voltage sensing[3]
ERE B SGL SD SQ M12	Single, LED indoor remote head, square, black, self-diagnostics, 1W, 3.6V-12V voltage sensing[3]
ERE B T SD SQ M12	Twin, LED indoor remote head, square, black, self-diagnostics, 2W, 3.6V-12V voltage sensing[3]
ERE B SGL SD WP SQ M12	Single, LED weather-proof remote head, square, black, self-diagnostics, 1W, 3.6V-12V voltage sensing[3]
ERE B T SD WP SQ M12	Twin, LED weather-proof remote head, square, black, self-diagnostics, 2W, 3.6V-12V voltage sensing[3]
ERE GY SGL SD WP SQ M12	Single, LED weather-proof remote head, square, gray, self-diagnostics, 1W, 3.6V-12V voltage sensing[3]
ERE GY T SD WP SQ M12	Twin, LED weather-proof remote head, square, gray, self-diagnostics, 2W, 3.6V-12V voltage sensing[3]

Remotes Compatibility Matrix

LHQM LED Catalog	non-SD or SD Indoor Remote		non--SD or SD Outdoor Remote	
	SINGLE	TWIN	SINGLE	TWIN
LHQM LED HO	(4) ERE W SGL SQ M12	(2) ERE W T SQ M12	(4) ERE GY SGL WP SQ M12	(2) ERE GY T WP SQ M12
LHQM LED HO R0	(8) ERE W SGL SQ M12	(6) ERE W T SQ M12	(6) ERE GY SGL WP SQ M12	(3) ERE GY T WP SQ M12
LHQM LED HO SD	(4) ERE W SGL SD SQ M12	(2) ERE W T SD SQ M12	(3) ERE B SGL SD WP SQ M12	(1) ERE B T SD WP SQ M12
LHQM LED HO R0 SD	(8) ERE W SGL SD SQ M12	(6) ERE W T SD SQ M12	(6) ERE B SGL SD WP SQ M12	(3) ERE B T SD WP SQ M12

*See spec sheet for more information. When operating twin configurations (ERE SQ) the temperature range of the LHQM LED HO is limited to 68°-104°F (20° - 40°C), with a 48-hour battery recharge time. Additional remotes cannot exceed total wattage of fixture with remote capacity. Refer to the Remote Output Capacity table

Remote Output Capacity

Standard unit	Combo	Combo/high-output battery(HO)	Combo/high-output (HO) and no heads (R0)
NA	NA	3W	6W

EXTENDED RUN-TIME FOR HIGH-OUTPUT EXITS

Product	Run time
LHQM LED HO (no remotes)	3.8 hours
LHQM LED HO R0 (no remotes)	7.5 hours

EMERGENCY: 1 Acuity Way, Decatur, GA 30035 Phone: 800-705-SERV (7378) www.lithonia.com Techsupport-Lighting@Acuitybrands.com

 Rev. 02/25/26

LHQM LED QUANTUM® Exit/Unit Combo

SPECIFICATIONS

Electrical Primary Circuit				
	Typical LED life[1]	Supply voltage	Max amps	Max watts
Red and green LED	>5 years	120	.05	4.3
		277	.03	4.3

BATTERY

Ni-Cad				
Voltage	Typical Shelf life[2]	Typical life[2]	Maintenance[3]	Temperature range[4]
9.6	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.

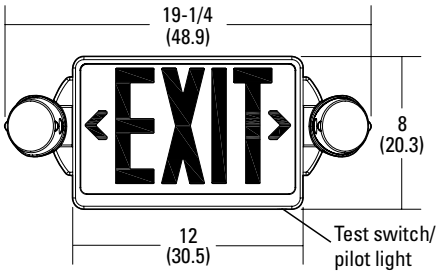
5. Battery life is negatively impacted by many variables including temperature, charging rates, number of cycles and deep discharges due to long periods of time without AC power.

MOUNTING

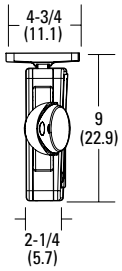
All dimensions are inches (centimeters).

Shipping weight: 3.6 lbs. (1.6 kgs.).

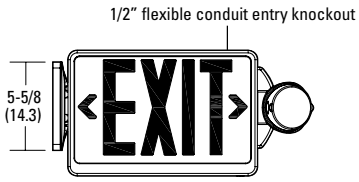
Face



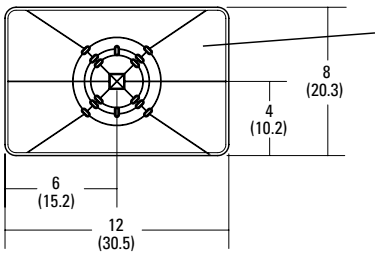
Top



End

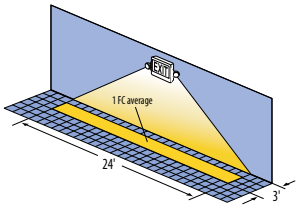


Backplate

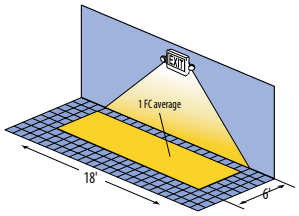


LAMP PHOTOMETRICS

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.

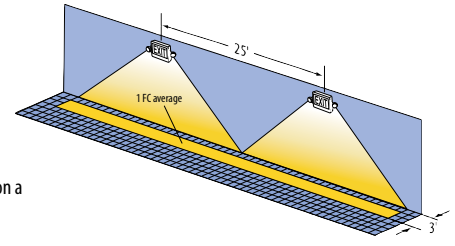


Example of single LHQM LED exit illuminating a 3' path of egress

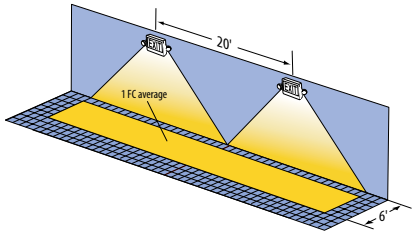


Example of single LHQM LED exit illuminating a 6' path of egress

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 exits illuminating a 3' path of egress



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

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