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 10 years.

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.

QUANTUM®
Thermoplastic Exits

LHQM LED

LED Lamp Head
Nickel-Cadmium Battery

HO R0

FC CERTIFIED IN TITLE 20 † LED

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.

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.

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

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ORDERING INFORMATION   Lead times will vary depending on options selected. Consult with your sales representative.   **Example:** LHQM LED G

LHQM		LED								
Family		**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	R	Red	HO	High-output Ni-cad battery	NOM	Meets Mexican standards [1]
				B	Black	G	Green	HO R0	High-output option, less lamp heads	NOM SALIDA	Salida signage (non-UL) [2]
								SD	Self-diagnostics	USPOM	Assembled in the US

Notes
1. Available in black or white. Consult factory for options.
2. Only available in white. NOM standard.
3. Only compatible with self-diagnostic option. (ex: HO SD)
4. Only compatible with HO or HO R0 with SD option. See spec sheet ELA-Q-LED.
5. Only available with HO or HO R0 option. Not available with SD option. See spec sheet ELMRW or ELMRE for more information and other color options. See page 2 for product images.
6. See spec sheet ELA-WG.
7. See spec sheet ELA-Stemkits.
8. See spec sheet ERE.
9. Not available with SD. Only compatible with HO or HO R0 option.

Accessories: *Order as separate catalog number.*			
ELA SD Q L0309	Single, LED indoor remote head, white, self-diagnostics, 9.6V [3,4]	ELA WG3	Wireguard, 30"W x 13-1/2" H x 6" D [6]
ELA T SD Q L0309	Twin, LED indoor remote head, white, self-diagnostics, 9.6V [3,4]	ELA LQMUS12	12" white stem kit [7]
ELA SD QWP L0309	Single, LED weather-proof remote head, gray, self-diagnostics, 9.6V [3,4]	ERE W SGL SQ M12	Single, LED indoor remote head, square, ivory white, .75W, 3.6V-12V voltage sensing [8,9]
ELA T SD QWP L0309	Twin, LED weather-proof remote head, gray, self-diagnostics, 9.6V [3,4]	ERE W T SQ M12	Twin, LED indoor remote head, square, ivory white, 1.5W, 3.6V-12V voltage sensing [8,9]
ELA B SD QWP L0309	Single, LED weather-proof remote head, black, self-diagnostics, 9.6V [3,4]		
ELA B T SD QWP L0309	Twin, LED weather-proof remote head, black, self-diagnostics, 9.6V [3,4]	ERE GY SGL WP SQ M12	Single, LED weather-proof remote head, square, gray, 1W, 3.6V-12V voltage sensing [8,9]
ELMRW LP220L DWHXD SGL	Single LED Wet Location remote head, white, 1.2W, 110 lumens [5]		
ELMRE LP220L SGL	Single LED Indoor remote head, white, 1.2W, 110 lumens [5]	ERE GY T WP SQ M12	Twin, LED weather-proof remote head, square, gray, 2W, 3.6V-12V voltage sensing [8,9]
ELMRW LP220L DWHXD T	Twin LED Wet Location remote head, white, 1.2W, 220 lumens [5]		
ELMRE LP220L T	Twin LED Indoor remote head, white, 1.2W, 110 lumens [5]		

Indoor/Wet location ELMRE and ELMRW remotes

ELMRE LP220L SGL ELMRE LP220L T ELMRE SP640L SGL ELMRE SP640L T ELMRE SP100L SGL ELMRE SP1100L T

ELMRW LP220L DDBTXD SGL ELMRW LP220L DDBTXD T ELMRW SP640L DDBTXD SGL ELMRW SP640L DDBTXD T

Remotes Compatability Matrix								
LHQM LED Catalog	**Non-SD Indoor**		**Non-SD Outdoor**		**SD Indoor**		**SD Outdoor**	
	SINGLE	TWIN	SINGLE	TWIN	SINGLE	TWIN	SINGLE	TWIN
LHQM LED H0	ELMRE LP220L SGL*	ERE W T SQ*	ELMRW LP220L SGL*	ERE GY T WP SQ*	X	X	X	X
LHQM LED H0 R0	ELMRE LP220L SGL*	ELMRE LP220 T*	ELMRW LP220L SGL*	ELMRW LP220L T*	X	X	X	X
LHQM LED H0 SD	X	X	X	X	ELA SD Q L0309	ELA T SD Q L0309	ELA SD QWP L0309	ELA T SD QWP L0309
LHQM LED H0 R0 SD	X	X	X	X	ELA SD Q L0309	ELA T SD Q L0309	ELA SD QWP L0309	ELA T SD QWP L0309

*Available in alternate colors. See spec sheet for more information

LITHONIA LIGHTING®

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	Typical Shelf life[2]	Typical life[2]	Maintenance[3]	Temperature range[4]
9.6	3 years	7-9 years	none	50-104°F (10-40°C)

1 Based on continuous operation.

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 Optimum ambient 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.

Remote Output Capacity			
Standard unit	Combo	Combo/high-output battery(HO)	Combo/high-output (HO) and no heads (RO)
NA	NA	3W	6W

MOUNTING

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

Face

19-1/4 (48.9)

8 (20.3)

12 (30.5)

Test switch/ pilot light

Top

4-3/4 (11.1)

9 (22.9)

2-1/4 (5.7)

End

1/2" flexible conduit entry knockout

5-5/8 (14.3)

Backplate

Universal knockout pattern for various standard j-boxes
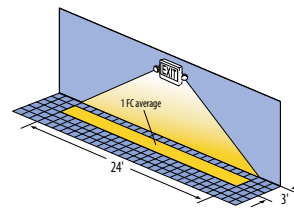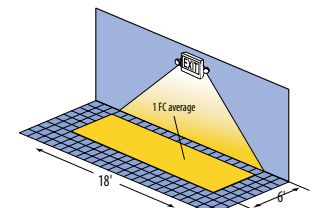
8 (20.3)

4 (10.2)

6 (15.2)

12 (30.5)
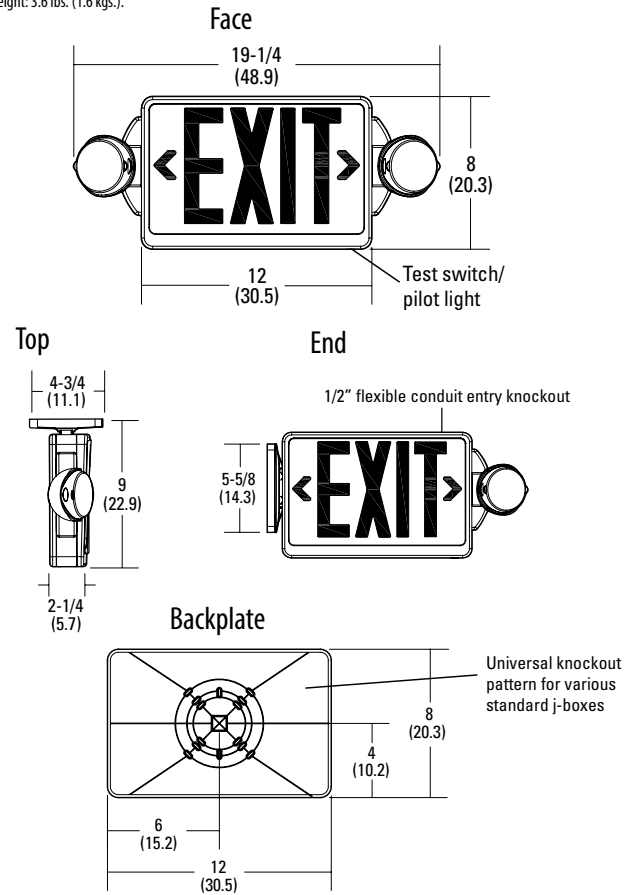
LAMP PHOTOMETRICS

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.

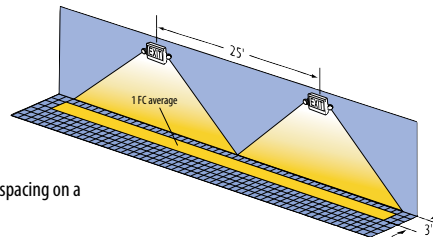Example of single LHQM LED exit illuminating a 3' path of egress

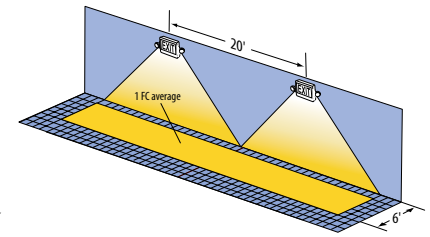Example of single LHQM LED exit illuminating a 6' path of egress

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

EXTENDED RUN-TIME FOR HIGH-OUTPUT EXITS

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