LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

INTENDED USE — Provides a minimum of 90 minutes illumination for the rated wattage upon loss of AC power. Ideal for applications requiring attractive LED unit equipment with quick installation and unparalleled performance. **Certain airborne contaminants can diminish integrity of acrylic and/or polycarbonate.** Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.

CONSTRUCTION — White, compact, low-profile contemporary design. Engineering-grade thermoplastic housing is impact-resistant, scratch-resistant and corrosion-proof. UV-stable resin resists discoloration from natural and man-made light sources. Unit is also available in black.

Low-profile, integrated test switch/pilot light. Easily visible multicolor LED 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. **US Patent No. D483,511.**

OPTICS — Two high-performance LED lamp heads rated at 5.4 watts each, delivering a total of 1,045 lumens with the LP06VS lamp; or 3 watts each, delivering a total of 536 lumens with the LP03VS lamp option. Two white LEDs per head provides a redundant light source that ensures emergency lighting performance. The typical life of an LED is 10 years.

Linear Pattern (LP) is designed for uniform emergency lighting applications.

Advanced electrical design provides constant light output throughout the entire discharge period.

Single fixture illuminates a 75' long 6' wide path of egress at a 12' mounting height.

ELECTRICAL — Universal input voltage capability (120 through 277V, 50 or 60Hz).

Power factor correction is greater than 0.9 at 120V (0.7 at 277V) which contributes to increased efficiency and energy savings.

Current limiting charger maximizes battery life and minimizes energy consumption while providing lower operating costs and short circuit protection.

Thermal protection senses battery temperatures and terminates charge current to prevent overheating.

Regulated charge voltage maintains a stable charge voltage over a wide range of line voltages.

Prevents over/undercharging that shortens battery life and reduces capacity.

Brownout protection is automatically switched to emergency mode when supply voltage drops below approximately 80 percent nominal of 120, 220 or 277. Other input voltages may vary.

AC/LVD reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Battery: Sealed, maintenance-free Lithium Iron Phosphate. Automatic 24-hour recharge after a 90-minute discharge.

Diagnostics: Continuously monitors AC functionality. Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Standard derangement monitoring will indicate disconnected battery, charger failure and display an amber indicator light while in Emergency mode.

Self-diagnostics (SD option): Single multi-chromatic LED indicator to display two-state charging, test activation and three-state self-diagnostics.

Self-diagnostic testing: Five minutes every 30 days and 90 minutes annually.

Diagnostic evaluation of: Lamps, AC to DC transfer, battery charging and condition and microprocessor.

Automatic test is easily postponed for eight hours by activating manual test switch or use of remote tester.

Catalog Number	
Notes	
Type	

QUANTUM®

LED Thermoplastic Emergency Light

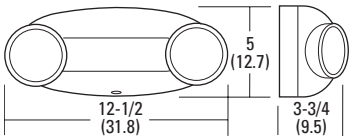
ELMLT

LITHIUM IRON PHOSPHATE

LED

Specifications

Length: 12-1/2 (31.8)
Depth: 3-3/4 (9.5)
Height: 5 (12.7)
Weight: Standard battery: 2.868 lbs (1.301 kg)
H0 battery: 3.45 lbs (1.565 kg)
EH0 battery: 4.032 lbs (1.829 kg)



All dimensions are inches (centimeters) unless otherwise indicated.

INSTALLATION — Ceiling mount standard. Flexible conduit entry provision on top of the unit. **US Patent No. D483,511.**

LISTINGS — UL damp location listed standard 10.8-watts at 50°-104°F (10°-40°C) or 16.2-watts, 32-watts and 43-watts at 77°-104°F (25°-40°C). Meets UL 924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. Meets all applicable FCC requirements.

WARRANTY — 5-year limited warranty. (Battery is prorated.) Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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.

ORDERING INFORMATION

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

Example: ELMLT W LP06VS LTP SD

ELMLT		LP06VS	LTP	
Series	**Housing color**	**Lamp type**	**Battery type**	**Options**
ELMLT LED thermoplastic emergency light	**W** White B Black	**LP03VS** 2.5W linear pattern [1] **LP06VS** 5.4W linear pattern	**LTP** Lithium iron phosphate, 9.6 volts	**(blank)** None H0 High output (32-watt capacity) EH0 Extra High output (43-watt capacity) RT Remote laser test (provides 30 second manual test) TD Time delay R0 No lamp heads SD Self-diagnostics [1] T20C California Title 20 Compliance [2]

Accessories: *Order as separate catalog number.*

ELA VS	Thermoplastic vandal shield [3]	ELA W SGL LT24 LP03VS	Single LED indoor remote head, white [5]	ELA B SGL LT24 LP05VS	Single LED indoor remote head, black [5]
ELA WG1	Wireguard, 15"W x 13-1/2"H x 6"D [4]	ELA W T LT24 LP03VS	Twin LED indoor remote head, white [5]	ELA B T LT24 LP05VS	Twin LED indoor remote head, black [5]
ELA LRT	Remote test (laser) for distances up to 15'	ELA B SGL LT24 LP03VS	Single LED indoor remote head, black [5]	ELA W SGL LT24 LP06VS	Single LED indoor remote head, white [5]
		ELA B T LT24 LP03VS	Twin LED indoor remote head, black [5]	ELA W T LT24 LP06VS	Twin LED indoor remote head, white [5]
		ELA W SGL LT24 LP05VS	Single LED indoor remote head, white [5]	ELA B SGL LT24 LP06VS	Single LED indoor remote head, black [5]
		ELA W T LT24 LP05VS	Twin LED indoor remote head, white [5]	ELA B T LT24 LP06VS	Twin LED indoor remote head, black [5]

Notes

1 SD option must be selected for LP03VS lamp type.
2 See T20C compliance product list. Only available with ELMLT W LP06VS TLP SD.
3 See spec sheet ELA VS-VS2.
4 See spec sheet ELA-WG.
5 See spec sheet ELA-LT24 for wattage specifications.

ELMLT LED Quantum® Thermoplastic Emergency Light

SPECIFICATIONS

ELECTRICAL							
Primary Circuit							
Type	**Volts**	**Input amps**	**Watts**	**Output volts**	**Watts output**		
					1-1/2 hrs.	**2 hrs.**	**4 hrs.**
ELMLT	120	0.121	14.2	9.6	16.2	10.8	N/A
	277	0.073	14.7				
ELMLT HO	120	0.119	14.0	9.6	32.4	21.6	10.8
	277	0.073	14.6				
ELMLT EHO	120	0.117	13.8	9.6	43.2	32.4	16.2
	277	0.073	14.4				

BATTERY				
Lithium Iron Phosphate				
Voltage	**Shelf life[1]**	**Typical life[1,3,4]**	**Maintenance[2]**	**Optimum temperature[3]**
9.6	1 year	7 - 10 years	none	77° - 104°F (25° - 40°C)

BATTERY CAPACITY AND LOADING			
Battery Option	**Total Capacity**	**Total # of LP03VS lamp heads**	**Total # of LP06VS lamp heads**
Standard	16.2W	6	3
HO	32W	12	5
EHO	43W	17	7

Notes

1 At 77°F (25°C).

2 All life safety equipment, including emergency lighting for path of egress, must be maintained, serviced and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service or testing could jeopardize the safety of occupants and will void all warranties.

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

4 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.

5 Remaining wattage for remote capacity.

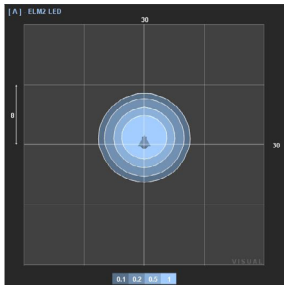
MOUNTING HEIGHT						
Multiple Unit Spacing		**7.5'**	**10'**	**12'**	**16'**	**20'**
LP03VS Lamp Head	1 FC Avg	53'	48'	45'	36'	28'
	1 FC Min	17'	22'	30'	24'	19'
LP06VS Lamp Head	1 FC Avg	54'	74'	75'	60'	58'
	1 FC Min	31'	34'	34'	42'	34'
MOUNTING HEIGHT						
Single Unit Spacing		**7.5'**	**10'**	**12'**	**16'**	**20'**
LP03VS Lamp Head	1 FC Avg	40'	38'	30'	20'	N/A
	1 FC Min	10'	12'	18'	N/A	N/A
LP06VS Lamp Head	1 FC Avg	36'	48'	68'	54'	N/A
	1 FC Min	12'	12'	14'	18'	N/A

* Results assume Wall Mount with 6'-wide path of egress in 15'-wide aisle of 200X200'X30', open warehouse with reflectances of 10/10/10

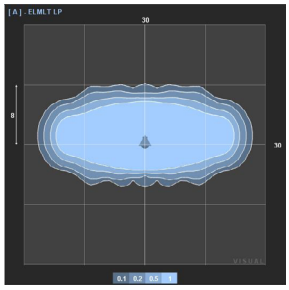
** Based upon 522.7 lumens per lamp for a total of 1,045 delivered lumens with the LP06VS lamp; or 268 lumens per lamp for a total of total of 536 lumens with the LP03VS lamp option.

SPACING GUIDELINES

*Note: To see complete photometric report or download the .ies file for this product, visit Lithonia Lighting ELMLT home page.

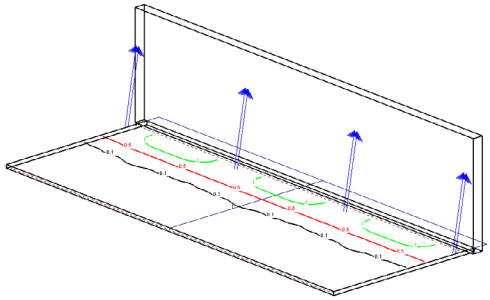


Traditional products use spot-like distributions that focus light in concentrated areas along the path of egress.

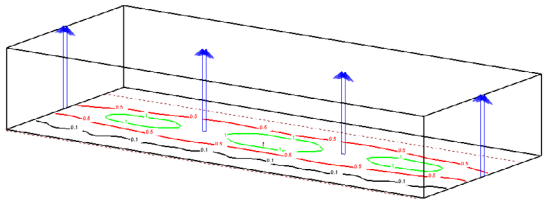


The ELMLT features a linear distribution which maximizes uniformity and fixture-to-fixture spacings.

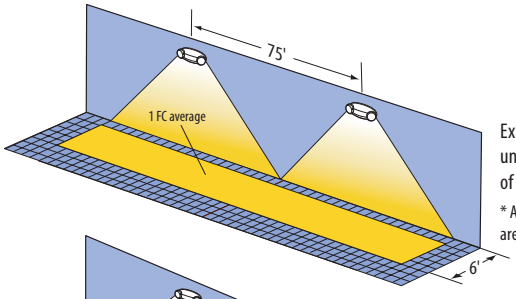
The broad photometric distribution pattern makes emergency lighting layouts reasonably quick and simple.



For wall mounted applications, a slight tilt out away from the wall creates a uniform well-lit path of egress. Traditional circular pattern optics require multiple iterations using complex angles to meet the NFPA 101 requirements of 1fc-average, 1fc-minimum, and 40:1 maximum-to-minimum uniformity.

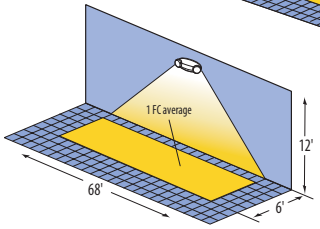


For ceiling mounted applications, simply aim the lamp heads straight down to create a uniform well-lit path of egress.



Example of multiple ELMLT units illuminating a 6' path of egress.

* Application image examples are using LP06VS lamp.



Example of single ELMLT unit illuminating a 6' path of egress.

* Application image examples are using LP06VS lamp.