LITHONIA LIGHTING®

Quantum® ELM4L and ELM6L

Contemporary Commercial LED Emergency Lights

Life Depends on It

When it comes to life safety, adequate is not enough. We know that life depends on building occupants and first responders having light in emergency situations. The redesigned Quantum® series from Lithonia Lighting® with improved aesthetics and performance is easy to install and maintain. The advanced optical design and electronic technology delivers constant, high-quality light output when it is needed most.

Market leading optical performance

Includes the latest in LED optical design raising the bar for path of egress coverage and spacing, allowing fewer products to do the same job.

Reduced Maintenance

Both the ELM4L and ELM6L feature high performance LEDs with acrylic lenses. The typical life of an LED is 10 years. The LED light sources typically never need to be replaced under normal conditions for normal off applications.

ELM4L and ELM6L Premium LiFePO$_4$ Electronics Package:

- Lithium Iron Phosphate batteries with capacity for two additional remote lamps or three hour run-time (ELM4L)
- Universal input voltage (120 through 347V 50-60Hz)
- Self-diagnostics and remote testing
- Optional HO and EHO batteries provide addtional remote capacities or run times

ELM4L

ELM6L

ELM4L Aimable Optics

- 640 lumens - Improved performance
- Up to 67' spacings
- Wall and ceiling mounting

ELM6L Aimable Optics

- 1100 lumens with up to 98' spacings at 7.5' mounting height while still providiing over 60' spacings with mounting heights over 20'
- Performs well at any mounting height
- Wall and ceiling mounting

ELM4L NiCad Standard Features

- Dual-voltage AC input
- Quick-mount installation
- Up to 67' spacings
- Damp location listed 50-104°F (10-40°C)
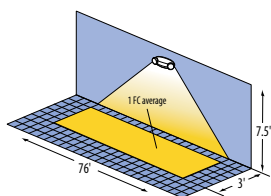- California Title 20 compliant

Learn more about the ELM4L and ELM6L at www.lithonia.com

Emergency

Quantum® ELM4L and ELM6L

Maximum Spacing Guidelines – ELM4L

Mounting Height	Illumination Level	Single Luminaire 3' Path of Egress	Single Luminaire 6' Path of Egress	Multiple Luminaire 3' Path of Egress	Multiple Luminaire 6' Path of Egress	Application Notes
7.5'	1FC Avg [1]	62'	58'	67'	60'	100' Corridor, 8' wide, and 12' high with 80/50/20 reflectances
10'	1FC Avg [1]	60'	58'	67'	60'	
7.5'	1FC Avg [1]	52'	40'	66'	58'	Retail open area: 200' x 15' x 30' with 80/50/20 reflectances
10'	1FC Avg [1]	52'	48'	51'	52'	
12'	1FC Avg [1]	52'	48'	51'	52'	
16'	1FC Avg [1]	52'	44'	54'	48'	
20'	1FC Avg [1]	44'	42'	49'	58'	
24'	1FC Avg [1]	34'	34'	42'	58'	

Maximum Spacing Guidelines – ELM6L

Mounting Height	Illumination Level	Single Luminaire 3' Path of Egress	Single Luminaire 6' Path of Egress	Multiple Luminaire 3' Path of Egress	Multiple Luminaire 6' Path of Egress	Application Notes
7.5'	1FC Avg [1]	76'	74'	98'	90'	100' Corridor, 8' wide, and 12' high with 80/50/20 reflectances
10'	1FC Avg [1]	76'	74'	98'	88'	
7.5'	1FC Avg [1]	60'	48'	77'	68'	Retail open area: 200' x 15' x 30' with 80/50/20 reflectances
10'	1FC Avg [1]	78'	56'	85'	82'	
12'	1FC Avg [1]	64'	66'	72'	74'	
16'	1FC Avg [1]	72'	68'	72'	74'	
20'	1FC Avg [1]	66'	64'	70'	68'	
24'	1FC Avg [1]	66'	56'	65'	62'	

Example of single ELM4L illuminating a 3' path of egress.
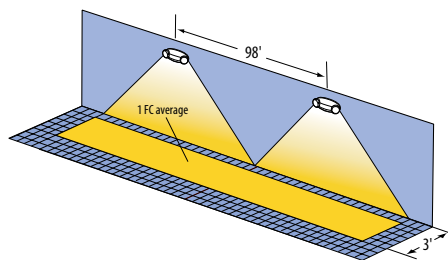
Example of multiple ELM6L luminaires illuminating a 3' path of egress.

Premium LiFePO₄ Electronics Package

Life Safety code requires building owners to perform a minimum 30 second test every month and 90 minute test annually. Visual inspections and tests must be documented.

Self Diagnostics and Remote Testing

- Automatic 5 minute test every month and 90 minute test annually
- Reduces testing and maintenance labor up to 66%
- Diagnostics monitor lamp load, battery, electronics performance and indicates any failure mode through the backlit test button.
- Remote transmitter (ELA RT) initiates 30 second test for on demand visual inspection from up to 30ft away. Eliminates the need for a lift or ladder.

Lithium Battery Provides Extra Power for Compatible Remote OR Extended Run-Times

ELA SGL LT24

ELA T LT24

BATTERY CAPACITY AND LOADING – LTP battery type only

Battery Option	Total Capacity 90 Minutes	# of Remote LT24 LP03VS lamps 2.5-watts each	# of Remote LT24 LP06VS lamps 5.5-watts each
ELM4L	11 watts	1	NA
ELM4L H0	22 watts	6	2
ELM4L EH0	32 watts	10	4
ELM6L	11 watts	NA	NA
ELM6L H0	22 watts	4	2
ELM6L EH0	32 watts	8	3
ELM6L LLH	11 watts	4	2
ELM6L LLH H0	22 watts	8	4
ELM6L LLH EH0	32 watts	12	5

BATTERY CAPACITY FOR EXTENDED RUN-TIMES

Battery Option	Total Capacity 2 Hours	Remote Capacity 2 hours*	Total Capacity 4 Hours	Remote Capacity 4 Hours*
ELM4L – LTP	8.25 watts	NA	NA	NA
ELM4L – H0	16.5 watts	9.9 watts	8.25 watts	NA
ELM4L EH0	24 watts	17.4 watts	12 watts	5.4 watts
ELM6L – LTP	8.25 watts**	8.25 watts**	NA	NA
ELM6L H0	16.5 watts	5.9 watts	8.25 watts**	8.25 watts**
ELM6L EH0	24 watts	13.4 watts	12 watts	12 watts**

AcuityBrands®