

# 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 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.

### ELM4L and ELM6L Premium LiFePO<sub>4</sub> 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 additional remote capacities or run times
- Constant light output over the full discharge period



ELM4L

ELM6L

### ELM4L Aimable Optics

- 640 lumens
- Up to 67' spacing
- Wall- and ceiling-mount

### ELM6L Aimable Optics

- 1100 lumens
- Up to 98' spacings
- Performs well at any mounting height
- Wall- and ceiling-mount

### ELM4L NiCad Standard Features

- Dual-voltage AC input
- Quick-mount installation
- Up to 67' spacings
- UL damp location listed

Learn more about the ELM4L and ELM6L at [www.lithonia.com](http://www.lithonia.com)

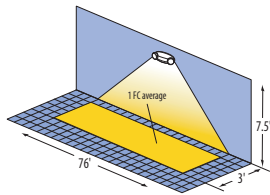
# Quantum® ELM4L and ELM6L

Market Leading Optical Performance Spacings

## Maximum Spacing Guidelines – ELM4L

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

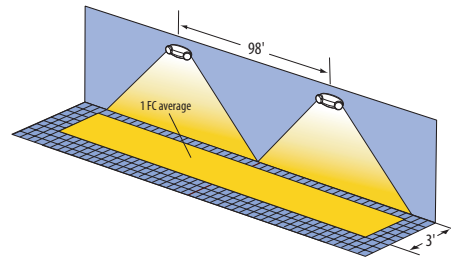
<sup>1</sup> Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.



Example of single ELM6L illuminating a 3' path of egress.

## Maximum Spacing Guidelines – ELM6L

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



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

## Premium LiFePO<sub>4</sub> 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

- Automatically performs monthly and annual testing with multi-status diagnostics functions. Reducing testing and maintenance labor up to 66%.
- Remote transmitter (RTKIT) initiates 30-second test for on demand visual inspection from up to 40 feet away. Eliminates the need for a lift or ladder.

Lithium battery powers compatible remotes OR provides extended run-times.



| Battery Capacity and Loading - ELMRE REMOTES |  |  |  |   | Outdoor/Wet Location Remotes                                 |
|--|--|--|--|---|--|
| Battery Option (LTP Only)                    | Total Capacity 90 Minutes <sup>1</sup> | *LP220L (1.2 Watts each) Maximum # Remote Lamps <sup>1</sup> | *SP640L (3.3 Watts each) Maximum # Remote Lamps <sup>1</sup> | *SP1100L (5.3 Watts each) Maximum # Remote Lamps <sup>1</sup> | ELA QWP (1.5 Watts each) Maximum # Remote Lamps <sup>1</sup> |
| ELM4L LTP                                    | 11 watts                               | 3  | 1  | N/A   | 2  |
| ELM4L LTP HO                                 | 22 watts                               | 12   | 4  | 2   | 10   |
| ELM4L LTP EHO                                | 32 watts                               | 21   | 7  | 6   | N/A  |
| ELM6L LTP                                    | 11 watts                               | 0  | 0  | 0   | N/A  |
| ELM6L LTP HO                                 | 22 watts                               | 9  | 3  | 2   | N/A  |
| ELM6L LTP EHO                                | 32 watts                               | 17   | 6  | 4   | N/A  |
| ELM6L LLH LTP                                | 11 watts                               | 9  | 3  | 2   | N/A  |
| ELM6L LLH LTP HO                             | 22 watts                               | 18   | 6  | 4   | N/A  |
| ELM6L LLH LTP EHO                            | 32 watts                               | 26   | 9  | 6   | N/A  |

<sup>1</sup> These are in addition to the lamp heads on the product.

### 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 - HO     | 16.5 watts             | 9.9 watts                | 8.25 watts             | NA                       |
| ELM4L EHO      | 24 watts               | 17.4 watts               | 12 watts               | 5.4 watts                |
| ELM6L - LTP    | 8.25 watts**           | 8.25 watts**             | NA                     | NA                       |
| ELM6L HO       | 16.5 watts             | 5.9 watts                | 8.25 watts**           | 8.25 watts**             |
| ELM6L EHO      | 24 watts               | 13.4 watts               | 12 watts               | 12 watts**               |

\* Remote capacity left after using standard lamps shipped mounted on luminaire. ELM4L standard high performance LED lamp heads are rated at 3.3 watts each, delivering a total of 640 lumens. ELM6L standard high performance LED lamp heads are rated at 5.3 watts each, delivering a total of 1,100 lumens. These lamps are different in both wattage and performance from the LT24 compatible remotes.

\*\* LLH option only



Visit [www.lithonia.com](http://www.lithonia.com) for more information.