

# Quantum® ELMxL Family

## Frequently Asked Questions

### Questions What is the intended use for the ELMxL Family of Products?

The ELMxL products provide emergency, life safety lighting, capable of wall or ceiling mounting and are ideal for a variety of commercial office and light industrial applications.

### What is the intended mounting height of the ELMxL products? Please note that the ELM2LF is wall mount only.

ELMxL products are incredibly powerful providing mounting heights from 7.5' to 30+'. The mounting heights vary by product allowing 35' centers at 7.5' mounting height for the ELM2L, to 98' centers at 7.5' mounting height for the ELM6L. Maximized spacings can reduce the number of units, which in turn lowers installation costs and reduces long-term maintenance costs.

### What is the wattage of the ELMxL lamps?

The wattage varies depending on product. See spec sheet for details.

### Does the ELMxL light output vary over the emergency operating period?

While traditional emergency lighting products can dim by up to 40% during emergency mode, all LTP versions deliver virtually the same amount of light from the first minute through the 90th minute.

### What input voltages are available for the ELMxL products?

The ELMxL products offer multiple choices in voltage. One of the most versatile is UVOLT, which is universal input and can support 120V through 347V, 50 and 60Hz.

### What type of battery does the ELMxL offer?

Selected versions of the ELMxL products are available in your choice of nickel cadmium battery or with a lithium iron phosphate battery. Consult spec sheet for offerings. By offering the latest in battery technologies, the ELMxL products provide a battery service life that is far superior to conventional power sources and significantly reduces costly battery replacements over the life of the product.

### Are the ELMxL products available with increased-capacity battery options?

Yes, moving from ni-cad to Lithium batteries on the ELM2LF, ELM2L and ELM4L will provide the capacity to run two more lamp heads (4 total) or provide 3 hours of run-time. The ELM4L and ELM6L are available with HO or EHO options which double or triple battery capacity respectively compared to the standard unit. Extra battery capacity can power additional lamp heads or enable longer run times. (See spec sheets for further details)

### How many remotes will the ELM6L power for 90 minutes?

Multiple choices are available that power from 4 up to 12 remote heads. Consult spec sheet.

### What are the self-diagnostic testing procedures for the ELMxL products?

The ELMxL products featuring SDRT capability will conduct a monthly 5-minute test and an annual 90-minute test.

### Where are the ELMxL products manufactured?

The ELMxL products are manufactured at our Mezquitil, Mexico production facility. USPOM versions are available starting in April 2018.

### Are the ELMxL stocked products?

Select configurations of the ELMxL products are stocked and available for immediate shipping.

### Are the ELMxL products California Energy Commission (CEC) Title 20 (T20) compliant?

Yes, all ELMxL products are CEC T20 compliant.

### What is the CEC?

The CEC or California Energy Commission is the state of California's primary energy policy and planning agency. It is focused on reducing energy costs and the environmental impacts of energy use - such as greenhouse gas emissions - while ensuring a safe, resilient, and reliable supply of energy. While the CEC has regulatory authority only for products sold or offered for sale in the state of California, its policies impact products produced for other regions as well. It is not uncommon for other states eventually to adopt similar measures to what is implemented in California.

### What is Title 20?

Title 20 is a part of the CEC's Appliance Efficiency Regulations, from the California Code of Regulations, that requires the manufacturer of various product categories certify that the devices meet minimum standards—among them certain energy efficiency thresholds. Included in the list of regulated devices are certain "Emergency Lighting" products. The new requirements for these are covered in the July 2015 update under Small Battery Chargers – Section 1605.3(W)(4) for battery back-up and uninterruptible power supplies.

### Which Life Safety Luminaires are subject to the new Title 20 Regulations?

Included in the list of regulated "Emergency Lighting" products are emergency Lighting luminaires, emergency ballasts and drivers, and AC inverters which contain battery charging systems. Exit signs were covered under previous regulation, and all Acuity UL924 signs are compliant and listed on the CEC database. Combination Exit and Emergency Lighting products are excluded from the CEC Title 20 regulations.

### When did the regulation go into effect and how do I know if a particular luminaire is compliant?

The regulations took effect on January 1, 2017 and apply to products manufactured on or after that date. That means that a manufacturer who made a product prior to that date, could still offer that product for sale after that date and until his stocks are depleted. Products manufactured on or after January 1, 2017, must meet the efficiency standard as outlined in the regulations if it is offered for sale in the state of California.

### Does anyone maintain a list of CEC Title 20 products?

Manufacturers self-certify products that have been tested by a CEC certified lab and meet the Title 20 requirements. The certification includes a declaration that the information is accurate for each submitted product. Products meeting the certification provisions are listed in the Appliance Efficiency Database on the CEC Appliance Efficiency Database. A link to that database follows: <http://www.energy.ca.gov/appliances/database/>