

FEATURES

INTENDED USE

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Ideal for applications requiring attractive unit equipment with quick installation.

CONSTRUCTION

White, compact, low-profile contemporary design with UV-stabilized thermoplastic housing that is impact and scratch-resistant.

Two 5.4W wedge-based krypton lamps offer 32 percent more light output than standard incandescent lamps.

Patent-pending MR24, multi-faceted reflector significantly improves photometric performance – 60 to 100 percent more light delivered to the path of egress.

Dual-voltage input capability (120/277V). Edge connectors on printed circuit board ensure long-term durability.

Low-profile, integrated test switch/pilot light. Easily visible 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. Flexible conduit entry provision on top of the unit.

BATTERY

Sealed, maintenance-free lead-calcium battery provides 12W rated capacity. Automatic 48-hour recharge after a 90-minute discharge.

Low-voltage disconnect prevents excessively deep discharge that can permanently damage the battery.

Single-circuit battery connection. Galvanized battery retaining clip.

ELECTRONICS

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 protection senses circuitry temperature and adjusts charge current to prevent overheating and charger failure.

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.

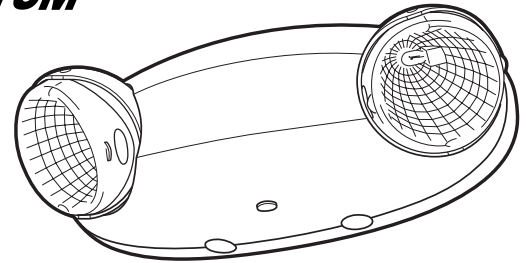
Brownout protection is automatically switched to emergency mode when supply voltage drops below 80 percent of nominal.

Catalog Number	
Notes	Type

Thermoplastic Emergency Light

ELM2

Lead-Calcium Battery



DIAGNOSTICS (SD option)

Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Self-diagnostic testing for five minutes every 30 days and 30 minutes every six months.

Diagnostic evaluation of lamp, AC to DC transfer, charging and battery condition.

Brownout protection is a standard feature of self-diagnostics.

Continuously monitors AC functionality.

Automatic test is easily postponed for eight hours by activating manual test switch.

LISTING

UL Listed and NOM Certified (standard). Meets UL 924, NFPA 101, NFPA 70-NEC and OSHA illumination standards. Meets Mexican standards.

WARRANTY

Three-year total customer satisfaction warranty. For details, see the Product Selection Guide.

ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number.

Example: **ELM2 DL**

ELM2		
Family	Input Voltage	Options
ELM2	(blank) 120/277V	B Black housing ¹ DL Damp location listed (10°C to 40°C) ¹ SD Self-diagnostics

Note:

¹ Black unit not available with damp location option.

Accessories

Order as separate item.

ELA VS Thermoplastic vandal shield
ELA WG2M Wireguard

ELM2 Thermoplastic Emergency Light, Quantum

SPECIFICATIONS

ELECTRICAL

Primary Circuit

Type	Volts	AC Input Amps	Watts	Output Volts	Watts Output 1-1/2hrs. 2hrs.
ELM2	120	.11	1.2	6	12 9
	277	.12	1.5		

* Half-hour and one-hour run time not applicable for U.S. product.

BATTERY

Sealed Lead-Calcium

Voltage	Shelf life ¹	Expected life ¹	Maintenance	Optimum temperature ²
6	6 mos.	5-8 yrs.	none ³	60-90°F (16-32°C)

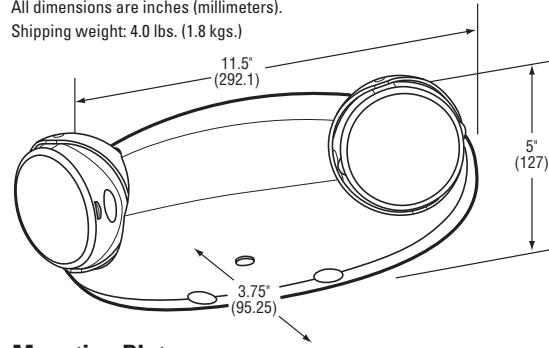
1 At 77°F (25°C).

2 Optimum ambient temperature range where unit will provide capacity for 30 to 90 minutes. Higher and lower temperatures affect life and capacity. Consult factory for detailed information.

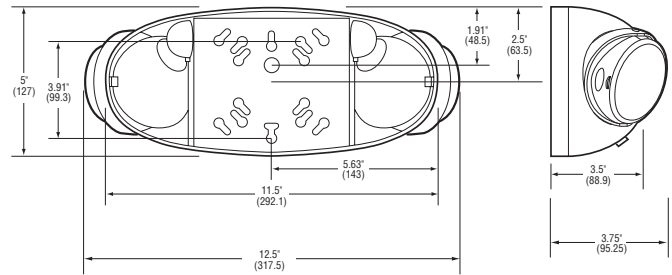
3 Periodic system status test recommended.

MOUNTING

All dimensions are inches (millimeters).
Shipping weight: 4.0 lbs. (1.8 kgs.)

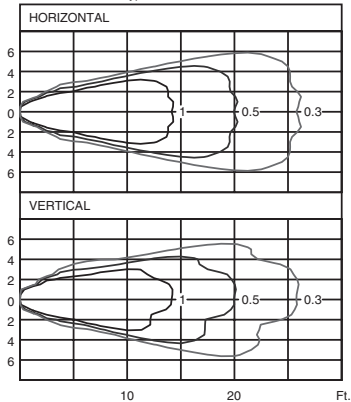


Mounting Plate

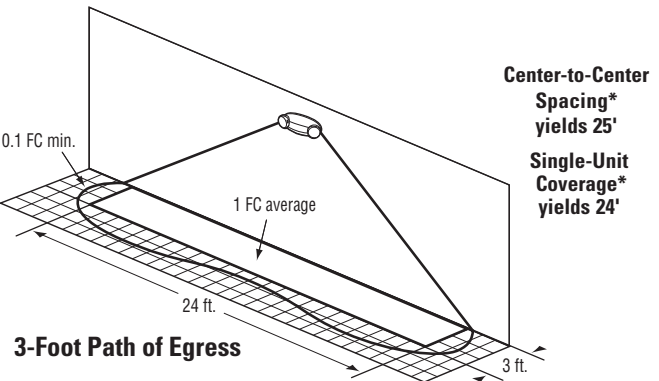
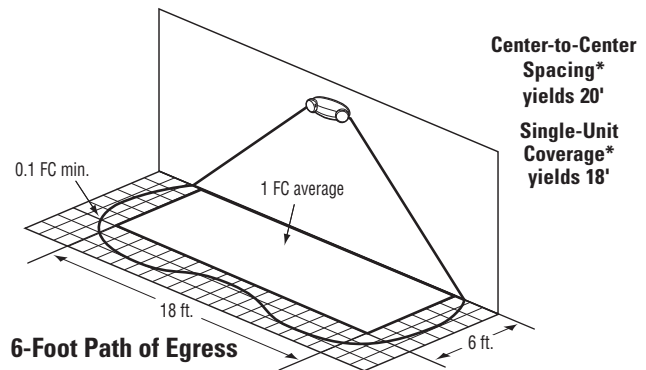


LAMP PHOTOMETRICS

LTL10586
MR24 K0606
6-volts, 5.4-watts krypton



FIXTURE PERFORMANCE



* Meets Life Safety Code standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes open space with no obstructions, mounting height: 7.5', ceiling height: 9', and reflectances: 80/50/20. Analysis based on independently tested photometrics.

SPACING/COVERAGE GUIDE

MR24 K0606 Lamp	Path of Egress	
	3'-wide	6'-wide
Center-to-Center Spacing	25'	20'
Single-Unit Coverage	24'	18'



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