

Contemporary Thermoplastic Emergency Lighting Units

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.

Features

White, compact, low-profile contemporary design with high-impact thermoplastic housing that is impact-resistant, corrosion-proof, UV-stable to resist discoloration from artificial light sources or sunlight.

Maintenance-free lead-calcium battery (standard).

Two 9W wedge-based krypton lamps offer 48 percent more light output than standard incandescent lamps.

Patented MR24, multi-faceted reflector significantly improves photometric performance; 60 to 100 percent more light delivered to the path of

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

Unique track-and-swivel design permits full range of lamp head adjustment. Universal J-box mounting pattern. Tool-less access for maintenance. Flexible conduit entry provision on top of the unit.

Patent pending Quick-Mount® features simplify installation.

Vandal-resistant ELA VS2 polycarbonate shield available.

Wall or ceiling bracket included as a standard feature. Quantum® Series ELM6-12 will power a variety of remote devices up to rated wattage of fixture.

Listings

UL Listed. NOM Certified (see Options).

Quantum®

ELM 6-12
Quick-Mount®



NEW

Example: ELM654 H2006 SD

Ordering Information

Family	Lamp type	Options	Accessories (Order separately)
ELM618 6V,18W	6-volt MR24 composite	SD Self-diagnostics ⁵	ELA LRT Remote tester (laser)
ELM627 6V,27W	(blank) 9W/6V krypton ¹	B Black housing ⁶	ELA VS2 Polycarbonate vandal shield (1/8" thick)
ELM654 6V,54W	H1206 12W/6V halogen ²	N Maintenance-free ni-cad battery ⁷	ELA WG2M Wireguard
ELM1254 12V,54W	H2006 20W/6V halogen ³	TD Time delay ⁵	ELA MR24 Compact MR24 remote lamp head
ELM1272 12V,72W	12-volt MR24 composite ⁴	RT Remote test ⁸	ELA MR24 K0606 (5.4W,6V krypton)
	(blank) 9W/12V krypton	RO Less heads ⁹	ELA MR24 K0906 (9W,6V krypton)
	H1212 12W/12V halogen	DL Damp Locations ^{7,10}	ELA MR24 H1206 (12W,6V halogen)
	H2012 20W/12V halogen	NOM NOM Certified ¹¹	ELA MR24 K0912 (9W,12V krypton)
			ELA MR24 H1212 (12W,12V halogen)
			ELA MR24 H2006 (20W,6V halogen)
			ELA MR24 H2012 (20W,12V halogen)

lightquick® XD
Express delivery products.

See page 11 for details about LightQuick XD.

Description

ELM618
ELM627
ELM1254

ELM6-12 Quick-Mount® Installation:

- 1) Feed leads through mounting plate and make connections to AC power supply.
- 2) Align mounting plate on J-box and secure with screws.
- 3) Snap housing onto mounting plate.

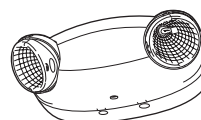
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (millimeters) unless otherwise noted.

ELM618
Width: 12.79" (324)
Depth: 4.73" (120)
Height: 7.01" (178)
Weight: 6.8 lbs. (3.1 kgs.)

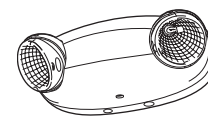
ELM627
Width: 12.79" (324)
Depth: 4.73" (120)
Height: 7.01" (178)
Weight: 8.0 lbs. (3.6 kgs.)

ELM654, ELM1254 & ELM1272

Width: 12.79" (324)
Depth: 5.82" (148)
Height: 7.01" (178)
Weight: 13.0 lbs. (5.9 kgs.)



ELM654, ELM1254 and ELM1272



ELM618 and ELM627

NOTES:

- 1 Available on ELM618, ELM627 and ELM654 only.
- 2 Available on ELM627 and ELM654 only.
- 3 Available on ELM654 only.
- 4 Available on ELM1254 and ELM1272 only.
- 5 When ordering ELM618 and ELM1254, SD and TD must be ordered with the N option.
- 6 Available on ELM627 and ELM1272 only.
- 7 Available on ELM618, ELM627 and ELM1254 only.
- 8 RT not available with SD. When ordering RT, an ELALRT needs to be ordered.
- 9 Not available with any other options.
- 10 Damp location listed from 10°C to 40°C (50° to 104°F) except ELM618N, ELM627N and ELM1254N listed from 15°C to 32°C (60° to 90°F).
- 11 NOM available with ELM618 and ELM1254 only (not available with any other option).

For additional lamp heads, remote fixtures, options and accessories, see pages 449-451.

For application guidelines and fixture performance data, see pages 455 and 458.

Type	Hsg. Size	SD ⁵	B ⁶	N ⁷	TD ⁵	RT ⁸	RO ⁹	DL ^{7,10}	NOM ¹¹	Lamp Number	Watt/Lamp
ELM618	S	■		■	■		■	■	■	MR24 K0906	9
ELM627	S	■	■	■	■	■	■	■	■	MR24 K0906	9
ELM654	L	■			■		■		■	MR24 K0906	9
ELM1254	L	■		■	■		■	■	■	MR24 K0912	9
ELM1272	L	■	■		■	■	■		■	MR24 K0912	9

■ Option available
(blank) Option not available

Electrical Application Data

Type	AC Input		Output				Output Watts			
	Volts	Amps	Watts	Volts	1½ hrs	2 hrs	3 hrs	4 hrs		
ELM618	120	.167	5.2	6	18	13.5	9	3		
	277	.072	5.6	6	27	20	13.5	10		
ELM627	120	.10	5.6	6	27	20	13.5	10		
	277	.04	7.4	6	27	20	13.5	10		
ELM654	120	.250	7.4	6	54	40.5	27	20		
	277	.108	7.4	6	54	40.5	27	20		
ELM1254	120	.250	11.0	12	54	40.5	27	20		
	277	.108	11.1	12	54	40.5	27	20		
ELM1272	120	.250	11.0	12	72	54	36	27		
	277	.108	11.1	12	72	54	36	27		

MR24 Lamp Head Performance

High-Capacity Quantum® MR24 Lamp Head

ELM6 PERFORMANCE ADVANTAGE¹

- 6-volt, 9-watt krypton lamp
- Typical 10' mounting height delivers 31 feet center-to-center spacing

ELM12 PERFORMANCE ADVANTAGE¹

- 12-volt, 9-watt krypton lamp
- Typical 12' mounting height delivers 33 feet center-to-center spacing

ELM6 HALOGEN PERFORMANCE ADVANTAGE¹

- 6-volt, 20-watt halogen lamp
- Higher mounting heights deliver 50+ feet center-to-center spacing

MR24 Lamp Head Recommended Center-to-Center Spacing Chart

Lamp type	Lamp voltage/wattage	Quantum® unit lamp is used on	7.5' mounting height	10' mounting height	12' mounting height	16' mounting height	20' mounting height
K0606	6V/5.4W	ELM2 ²	25'	N/A	N/A	N/A	N/A
K0906	6V/9W	ELM618 ² , ELM27 ² , ELM654 ²	25'	31'	29'	27'	23'
K0912	12V/9W	ELM1254 ² , ELM1272 ²	25'	33'	30'	29'	28'
H1206	6V/12W	ELM627, ELM654	N/A	29'	N/A	22'	N/A
H1212	12V/12W	ELM1254, ELM1272	N/A	31'	33'	39'	41'
H2006	6V/20W	ELM654	N/A	35'	37'	52'	49'
H2012	12V/20W	ELM1254, ELM1272	N/A	43'	41'	38'	32'

NOTES:

- 1 Meets Life Safety Code® standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes open space with no obstructions, 3-foot-wide path of egress, and reflectances of 80/50/20.
- 2 Standard lamp for this unit.