

FEATURES & SPECIFICATIONS

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. Engineering-grade thermoplastic housing is impact-resistant, scratch-resistant and corrosion-proof. UL94V-0 flame rating. UV-stable resin resists discoloration from natural and man-made light sources.

Tool-less access for maintenance. Rigid conduit entry on both top and side on large units (ELM654 RO and ELM1254 RO).

Low-profile, integrated test switch/pilot light.

ELECTRICAL — Universal input voltage capability (120 through 277 volt, 50 or 60 Hz).

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/under charging 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

Battery: Sealed, maintenance-free lead-acid (SLA) battery standard. Automatic recharge after a 90-minute discharge. Single-circuit battery connection.

INSTALLATION — Ceiling mount standard. Universal J-box mounting pattern.

LISTINGS — UL listed. Meets UL 924, NFPA 101, NFPA 70-NEC and OSHA illumination standards.

WARRANTY — 3-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

Catalog
Number

Notes

Type



ELM 6-12

High Capacity Units
Lead-Acid (SLA) Battery

ORDERING INFORMATION

All configurations of this product are considered "standard" and have short lead times.

Example: ELM654 RO

| Family |
|------------|
| ELM654 RO |
| ELM1254 RO |

| Accessories: Order as separate items. | |
|---------------------------------------|---|
| ELA VS2 | Polycarbonate vandal shield (1/8" thick) ¹ |
| ELA WG2M | Wireguard (21-1/4"W x 15"H x 12"D) ² |

Notes

1 See spec sheet [ELA-VS-VS2](#).

2 See spec sheet [ELA-WG](#).

ELM 6-12 QUANTUM® Thermoplastic Emergency Light

SPECIFICATIONS

ELECTRICAL

Primary Circuit

| Type | AC input | | Output volts | Watts output | | | | |
|---------|----------|------|-----------------|--------------|------------|--------|--------|--------|
| | Volts | Amps | | Max watts | 1-1/2 hrs. | 2 hrs. | 3 hrs. | 4 hrs. |
| ELM654 | 120 | .250 | 7.4 | 6 | 54 | 40.5 | 27 | 20 |
| | 277 | .108 | | 7.4 | | | | |
| ELM1254 | 120 | .250 | 11 | 12 | 54 | 40.5 | 27 | 20 |
| | 277 | .108 | | 11.1 | | | | |

BATTERY

Sealed Lead Acid (SLA)

| Voltage | Typical Shelf life ¹ | Typical life ^{1,2} | Maintenance ³ | Optimum temperature ⁴ |
|---------|---------------------------------|-----------------------------|--------------------------|----------------------------------|
| 6/12 | 12 months | 3-5 years | none | 60°-90°F (16°-32°C) |

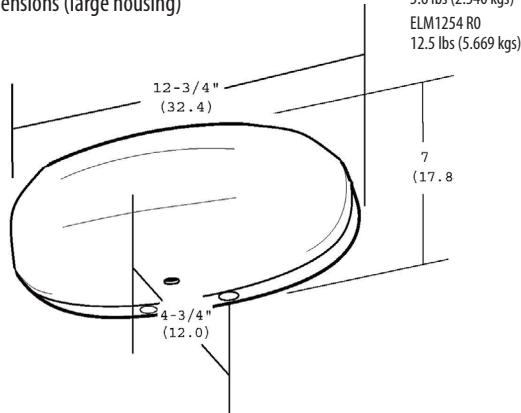
1. At 77°F (25°C).
2. Battery life is negatively impacted by many variables including temperature, charging rates, number of cycles and deep discharges due to long periods of time without AC power.
3. All life safety equipment, including emergency lighting for path of egress, must be maintained, serviced and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service or testing could jeopardize the safety of occupants and will void all warranties.
4. Optimum ambient temperature range where unit will provide capacity to 90 minutes. Higher and lower temperatures affect life and capacity.

MOUNTING

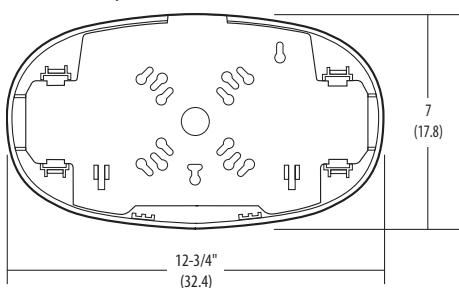
All dimensions are in inches (centimeters).

ELM654 R0, ELM1254 R0

Dimensions (large housing)



ELM6-12 Backplate



Shipping weight:

ELM654 R0

5.6 lbs (2.540 kgs)

ELM1254 R0

12.5 lbs (5.669 kgs)