

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Suitable for architectural applications where aesthetics, premium finishes and superior performance are required.

**CONSTRUCTION** — High-polish, injection-molded virgin acrylic panel, ultrasonically welded to eliminate visible hardware. Optically engineered design provides uniform light distribution on graphics. Die-cast housings are powder-coat finishes. Standard housing finish is nickel.

Letter size—6" high, 3/4" stroke, with 100 ft viewing distance rating, based upon UL924 standard. Graphically enhanced text with mirror background. Chevron indicator direction must be specified.

Recessed rough-in section constructed of 20-gauge, die-formed galvanized steel.

Die-cast aluminum housing and canopy attaches onto wall or ceiling mounted rough-in section.

**U.S. Patent Nos. D602,093 and D602,994.** Other patents pending.

**OPTICS** — White LEDs mounted on printed circuit board. The typical life of the exit LED lamp is 10 years.

Low energy consumption — less than 5-watts.

**ELECTRICAL** — Dual voltage input capability (120/277V).

**(Battery option only)** — Two-state constant-current charger maximizes battery life and auto-matically recharges after battery discharge.

Battery option: Emergency models provided with maintenance-free, sealed nickel-cadmium battery provides 90 minutes of emergency power.

Polarized battery connector simplifies installation and maintenance; prevents charger damage due to improper connection.

Self-diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition.

Solid-state electronic elements to eliminate risk of electromechanical failures.

Single-point microcomputer control for all electronic features.

Crystal oscillator timing system with watchdog protection for precision accuracy.

AC/LVD reset allows battery connection before AC power is applied at installation.

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

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.

Continuously monitors AC functionality.

Surge protection meets ANSI/IEEE C62.41 category B and IEC 1000 immunity standards for high voltage surges, electrostatic discharges, high frequency electrical fast transients and line voltage dips/swells.

**INSTALLATION** — Recessed mount (universal rough-in section for back), ceiling, end or pendant mount. Fits into minimum wall or ceiling opening 13-5/8" L x 4-1/2" W x 3-1/8" D.

Adjustable T-bar hangers adapt mounting tray for mounting in suspended ceilings or variable-size framed openings. Trim ring has 7/8" variable depth adjustment to ensure flush fit against surface of wall or ceiling. Rough-in opening measures 5-3/8" L x 3-1/8" W.

End mounting requires accessory kit (ELA SOLOEMK) to provide attachment provisions.

Pendant mounting requires accessory kit (ELA SOLOPM12).

|                |
|----------------|
| Catalog Number |
| Notes          |
| Type           |



LED LAMPS



Fully concealed canopy mounting hardware on ceiling and wall mount.

ADP option available to retrofit the current installed rough-in section of Precise® LRP and FRP products.

**LISTINGS** — UL damp location listed standard. Non-IC recessed mounting. Meets UL 924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. NEMA Premium certified.

**WARRANTY** — 5-year limited warranty on exit, including light source. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

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

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

### ORDERING INFORMATION For shortest lead times, configure products using bolded options.

**Example: SOLO W 1 RMR LA SD**

| SOLO Family           | Housing color <sup>1</sup>                               | Number of faces                              | Letters/background                                     | Directional indicators <sup>2</sup>   | Mounting                                 | Options  |
|-----------------------|--|--|--|---|--|--|
| <b>SOLO</b> Oval exit | <b>(blank)</b> Nickel<br>W White<br>B Black<br>BZ Bronze | <b>1</b> Single face<br><b>2</b> Double face | <b>RMR</b> Red on mirror<br><b>GMR</b> Green on mirror | <b>(blank)</b> None<br>LA Left<br>RA Right<br>LRA Left and right<br>DA Double | <b>(blank)</b> Ceiling or back<br>EM End | <b>(blank)</b> AC only 50-104°F (10° to 40°C)<br>X2 Provides primary and secondary AC only <sup>3</sup><br>FI Fire alarm interface with AC-only<br><b>SD</b> Nicad battery with self diagnostic<br>SDFIFA Fire alarm interface/flashing/audible flashing, Nicad battery with self diagnostics<br>PNL Panel assembly only (must order rough-in section separately)<br><b>ADP</b> Adaptor option to retrofit Precise LRP or FRP product <sup>4</sup> |

| Accessories: Order as separate items. |   |
|---------------------------------------|---|
| ELA SOLORIS                           | Rough-in section. Supplied standard with exits unless PNL suffix is specified. Order ELA SOLORIS only if needed for early installation. |
| ELA SOLOEMK                           | End-mount accessory kit required for end mounting. Must specify color to match panel; e.g. ELA W SOLOEMK.                               |
| ELA SOLOPM12                          | Pendant mounting, 12" length, accessory kit.  |

**Notes**

- Die-cast housings are powder-coat finishes.
- See page 2 of specification sheet for configuration details.
- UL listed as emergency lighting equipment.
- Complete exit panel only (use existing Precise rough-in).

# SOLO Oval Exit

## SPECIFICATIONS

| ELECTRICAL APPLICATION DATA |       |       |      |       |
|-----------------------------|-------|-------|------|-------|
| TYPE                        | VOLTS | FACES | AMPS | WATTS |
| Standard LED                | 120   | 1     | .087 | 1.5   |
| Standard LED                | 120   | 2     | .178 | 3.1   |
| Standard LED                | 277   | 1     | .089 | 1.8   |
| Standard LED                | 277   | 2     | .178 | 3.4   |
| Emergency LED               | 120   | 1     | .093 | 2.3   |
| Emergency LED               | 120   | 2     | .084 | 3.2   |
| Emergency LED               | 277   | 1     | .095 | 2.7   |
| Emergency LED               | 277   | 2     | .094 | 3.9   |

**BATTERY** (included with SD option)

**Sealed Nickel-Cadmium**

| Shelf life <sup>1</sup> | Typical life <sup>1</sup> | Maintenance <sup>2</sup> | Optimum temperature <sup>3</sup> |
|-------------------------|---------------------------|--------------------------|----------------------------------|
| 3 yrs.                  | 7-9 yrs                   | none                     | 32° - 100°F<br>(16° - 32°C)      |

Notes

- At 77°F (25°C).
- 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.
- Optimum ambient temperature range where until will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity.

### Directional Indicators

| Specification<br>(add to catalog number) | Graphics |       |
|--|----------|-------|
|  | Back     | Front |
| <b>LA</b>                                |          |       |
| <b>RA</b>                                |          |       |
| <b>LRA</b> (single face)                 |          |       |
| <b>LRA</b> (double face)                 |          |       |
| <b>DA</b>                                |          |       |

### Self Diagnostics (SD option only)

Five-minute test every 30 days.

30-minute test every six months.

Diagnostics evaluate the battery, lamp, charger and AC-to-DC transfer.

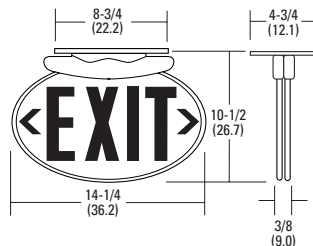
| Condition         | Indication       |
|-------------------|------------------|
| Normal mode       | Steady green     |
| Self-testing mode | Flashing green   |
| Emergency mode    | Off              |
| High-charge       | Steady red       |
| Battery failure   | Single-flash red |
| Lamp failure      | Double-flash red |
| Circuit failure   | Triple-flash red |

## MOUNTING

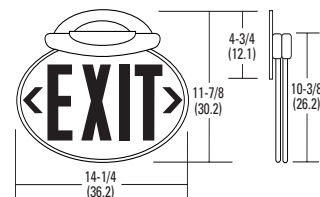
All dimensions are inches (centimeters).

Shipping weight: 8.7 lbs. (3.9 kg)

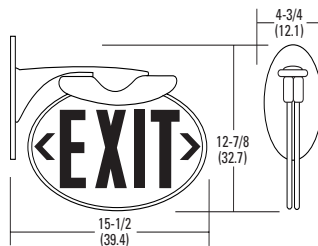
### Ceiling Mount



### Back Mount



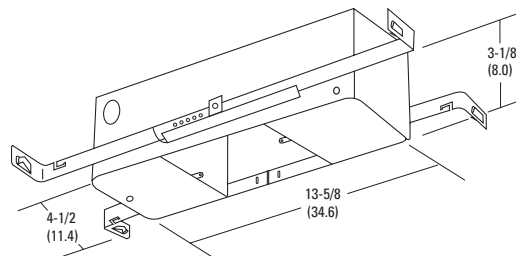
### End Mount



Requires end mount accessory ELA SOLOEMK, or EM mounting when ordering.

### Rough-in Section

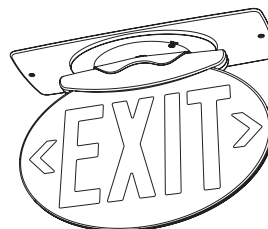
May be ordered as an accessory (ELA SOLORIS) for early installation. Not required for ADP option.



### Pendant Mount



### Ceiling Mount with ADP Option



### SOLO Canopy With ADP Option Plate

