

TYPE \_\_\_\_\_ · DATE \_\_\_\_\_ · PROJECT \_\_\_\_\_

# ZEP

## LED Emergency Thermoplastic Unit

Sage Zephyr — LED High Performance Emergency Thermoplastic Unit White / Black housing · wall or ceiling mount · optional SDT self-diagnostics

### SUGGESTED SPECIFICATION

Install Sage Zephyr LED high performance emergency lighting units. The housing shall be injection-molded, engineering grade, 5VA flame retardant, high-impact resistant thermoplastic in white or black finish, suitable for wall or ceiling mount, with a universal knockout pattern on the back plate for surface mount and knockouts provided for conduit feed applications. Input shall be universal 120-277 VAC. The battery shall be 9.6V long-life, maintenance-free, rechargeable lithium iron phosphate; an internal solid-state transfer switch shall automatically connect the internal battery to the LED lamp heads for minimum 90-minute emergency illumination, and a fully automatic solid-state, two rate charger shall recharge a discharged battery in 24 hours. Ultra-bright, energy efficient, long-life White LED adjustable lamp heads — 5.0 watt (12 LEDs x 0.42 watt) per head, with high performance chrome-plated metallized reflector and plastic lens — shall provide up to 100-ft center-to-center spacing with a 3-ft path of egress at 7-1/2-ft mounting height. Remote capacity shall be 3.0 watts standard. A bi-color LED indicator light shall alert occupants on battery condition (Red-normal, OFF-check battery), with a charge rate/power 'ON' LED indicator light and push-to-test switch for mandated code compliance testing. Where specified, the SDT self-diagnostic option shall perform monthly, biannual, and annual tests to ensure reliable operation and meet electrical and life safety codes. Units shall meet UL 924, NFPA 101 Life Safety Code, NEC, OSHA, and local and state codes; shall be UL Listed for damp locations (0–50 °C); and shall be certified to CEC under Title 20 regulations.

### ELECTRICAL SPECIFICATIONS

Universal 120-277 VAC input; 0.06 A input current and 4.5 W input power — input ratings apply equally to standard and SDT self-diagnostic configurations. The 9.6 V lithium iron phosphate battery and internal solid-state transfer switch deliver minimum 90-minute emergency illumination; the fully automatic solid-state, two rate charger recharges a discharged battery in 24 hours. Remote capacity of 3.0 watts standard. A bi-color LED indicator light alerts occupants on battery condition (Red-normal, OFF-check battery); a charge rate/power 'ON' LED indicator light and push-to-test switch support mandated code compliance testing. The optional SDT self-diagnostic feature performs monthly, biannual, and annual tests to ensure reliable operation and meet electrical and life safety codes.

### PRODUCT DATA · INPUT

<b>Input Voltage</b>	120-277 VAC universal
<b>Input Current</b>	0.06 A
<b>Input Power</b>	4.5 W
<b>Battery</b>	9.6 V long-life, maintenance-free, rechargeable lithium iron phosphate
<b>Emergency Runtime</b>	minimum 90 minutes
<b>Recharge Time</b>	24 hours (fully automatic solid-state, two rate charger)
<b>Remote Capacity</b>	3.0 W standard
<b>Lamp Heads</b>	5.0 W (12 LEDs x 0.42 W) per head — White LED, adjustable

### FEATURES

- Universal 120-277 voltage.
- 9.6V long-life, maintenance-free, rechargeable lithium iron phosphate battery.
- Remote capacity of 3.0 watts standard.
- Internal solid-state transfer switch automatically connects the internal battery to LED lamp heads for minimum 90-minute emergency illumination.
- Fully automatic solid-state, two rate charger initiates battery charging to recharge a discharged battery in 24 hours.
- Unique bi-color LED indicator light alerts occupant on battery condition (Red-normal, OFF-check battery).
- Charge rate/power 'ON' LED indicator light and push-to-test switch for mandated code compliance testing.
- Ultra-bright, energy efficient, long-life White LED adjustable lamp heads provide up to 100-ft center-to-center spacing with a 3-ft path of egress at 7-1/2-ft mounting height.
- High performance chrome-plated metallized reflector and plastic lens.
- 5.0 watt (12 LEDs x 0.42 watt) per head.

### TEMPERATURE

**Operating Temperature** 0 to 50 °C (UL damp location)

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### ORDERING INFORMATION

<b>Housing Color</b>	W White · B Black
<b>Options</b>	SDT Self-Diagnostics — monthly, biannual, and annual self-tests

*Ordering Example: ZEP-W*

### UL CONDITIONS OF ACCEPTABILITY

Meets UL 924, NFPA 101 Life Safety Code, NEC, OSHA, and local and state codes. UL Listed for damp locations (0–50 °C). Certified to CEC under Title 20 regulations.

*NOTE: Universal knockout pattern on back plate for surface mount; knockouts provided for conduit feed applications. Suitable for wall or ceiling mount.*

*NOTE: Input ratings apply equally to standard and SDT self-diagnostic configurations.*

*NOTE: Remote capacity 3.0 W standard — consult Sage for compatible remote lamp heads.*

*NOTE: Five-year warranty on all electronics and housing. Battery prorated for five years.*

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