

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

# OPA

Sage Opalite — Surface Mount Edge-Lit LED Exit Sign

## Surface Mount Edge-Lit Exit Sign

wall / ceiling cam lock · Red / Green · AC or DC

### SUGGESTED SPECIFICATION

Install Sage Opalite surface-mount edge-lit LED exit signs with diamond-polished acrylic panels, custom graphics, and directional arrows, in an extruded-aluminum lamp housing mounted to a form-fitting solid-aluminum canopy whose cam-lock device is field adjustable for wall or ceiling mount with no exposed hardware. Ultra-high-output LEDs in red or green (up to 5 candela) shall provide lighting uniformity better than 4:1 over any illuminated area, average brightness exceeding 6 ft Lambert (21 cd/m<sup>2</sup>), and LED life expectancy in excess of 20 years. The power supply shall be an isolated digital type with regulated current and voltage output to the lamp load and batteries (emergency models), with universal 120/277 VAC input via two-wire feed; battery-backup (BB) units shall provide a minimum of 90 minutes of emergency operation (2-hour option 2EM) and recharge a discharged battery within 24 hours. Remote signs shall operate on 24 VDC from a central battery system (REC) or 48/60 VDC from DC-distribution / PoE supplies (REP); one standard power supply shall be capable of driving up to 5 single-face remote signs in addition to the master, with emergency operation at least 90 minutes for each sign. An advanced microprocessor shall monitor all charger functions and battery condition continuously, with software to automatically perform all tests and visual indications required by UL Standard 924 and NFPA 101.

### ELECTRICAL SPECIFICATIONS

AC operation: universal 120/277 VAC two-wire input (BB battery backup · NB AC-only); surge- and spike-protected power supply with Low Voltage Disconnect; optional NICAD battery pack — the complete power-supply module is sealed within a plastic enclosure, with plug-connector AC and DC wiring; ≥ 90-minute emergency (option 2EM = 2 hours); recharge < 24 hours. DC operation: REC = 24 VDC from a central battery system or master remote system · REP = 48/60 VDC (DC distribution / PoE). Self-Test/Self-Diagnostic operation in battery-backup versions; auto battery diagnostics with option DG. Central-battery load (EPR): 2 W single face · 4 W double face. Exit signs carry letter color, not color temperature.

### LOAD SPECIFICATIONS — CENTRAL BATTERY SYSTEM

Fixture	EPR (Watts)
OPA1RE — single face remote	2
OPA2RE — double face remote	4

EPR = Emergency Power Rating for battery sizing; remote (REC) configurations on the central-battery branch circuit.

### PRODUCT DATA · INPUT

Operation	BB · NB · REC (24 V) · REP (48/60 V)
AC Input	120 / 277 VAC universal, two-wire
EPR (central battery)	2 W single face · 4 W double face
Battery (BB)	optional NICAD pack · ≥ 90 min · < 24 h recharge
Letters	Red · Green · up to 5 candela
Faces	1 single · 2 double

### FEATURES

- Edge-lit diamond-polished acrylic panel — custom graphics and directional arrows; ultra-high-output LEDs, red or green, up to 5 candela
- Extruded-aluminum lamp housing on a form-fitting solid-aluminum canopy; cam-lock device, field adjustable for wall or ceiling mount — no exposed hardware
- Four operations — battery backup (BB), AC-only (NB), 24 VDC central battery (REC), 48/60 VDC DC / PoE (REP)
- Microprocessor monitors all charger functions and battery condition continuously — UL 924 / NFPA 101 tests and visual indications
- Standard finishes satin white enamel and brushed aluminum; optional custom paint or anodized finishes — satin bronze, polished gold, mirror silver
- End (LE/RE), pendant (12" standard or custom), mullion (2"), and inverted-graphics mounting options

### TEMPERATURE

Operating Temperature 0 to 50 °C (damp location with option DP)

*“Engineered for the spaces it protects.”*

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**ORDERING INFORMATION**

<b>Operation</b>	BB = battery backup · NB = no battery (AC only) · REC = remote w/ central battery system · REP = remote DC power (power supply or PoE)
<b>Faces</b>	1 single · 2 double
<b>Letter Color</b>	R Red · G Green
<b>Background</b>	C Clear · M Mirror · W White · K Black · X Custom
<b>Trim Finish</b>	W White · K Black · A Alum · B Satin Bronze · X Custom
<b>Arrows</b>	NA none · AB both < > · AR right (SF) · AL left (SF) · LR single > (DF) · CX custom graphics
<b>Mount</b>	TW universal (top or wall)
<b>Options</b>	DG battery diagnostics · DP damp location · DAC120 / DAC277 dual AC input · 2EM 2-hour emergency · LE/RE end mount · PEN pendant 12" · PENX pendant custom length · MM mullion · INV inverted graphics · 48 / 60 = REP input volts

*Ordering Example: OPABB-1RCA-NA-TW-DG*

**UL CONDITIONS OF ACCEPTABILITY**

Manufactured and tested to UL Standard 924 and NFPA 101 Life Safety Code. ETL Listed (cETLus). Suitable for indoor damp locations when specified — order option DP; do not use outdoors. Standard operating temperature 0 to 50 °C.

*NOTE: SF = single face · DF = double face. 48 / 60 apply to REP units only.*

*NOTE: Remote (REC) signs wire to a central battery system or master remote system; remote models use a standard 4-O J-box, 3½" x 3½" x 1½". BB and NB models pre-install a 4" x 4" x 2¼" deep J-box with 1½" extension ring.*

*NOTE: Five-year total customer satisfaction warranty.*

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