LSL 24/7
LIFE SAFETY LIGHTING

Job Name:

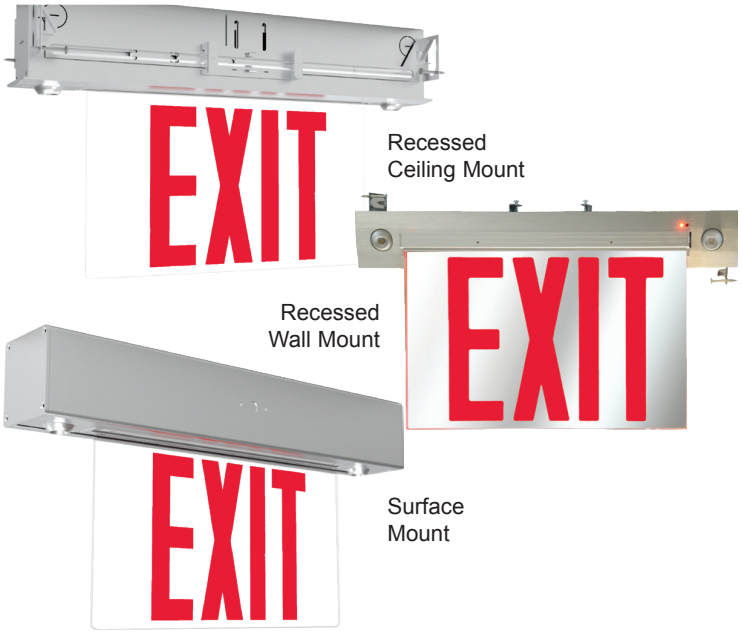
Type:

Part #:

Notes:

LSXELC Series

LED Edge-lit Combo Exit Sign



DESCRIPTION: The LSXELC Series combines the architectural design of an edge-lit exit sign with fully adjustable recessed emergency LED lamp heads for a modern, low-profile aesthetic. The LSXELC Series is designed for easy recessed or surface mount installation in ceilings or walls. Single- and double-face LED exit configurations are included with brushed aluminum, black or white housing finish options. The LSXELC Series is ideal for offices, classrooms, corridors, lobbies, and other indoor commercial spaces requiring a minimalist aesthetic for emergency lighting combined with an architectural exit sign.

FEATURES & BENEFITS:

- Designed for simple installation and maintenance in any surface or recessed application, surface mount canopy or recessed mount hardware included
- Universal - includes single-face (clear) and double-face (mirrored) panel configurations
- Optional Self-test/Self-diagnostics (SDT) available
- On-center spacing of 31' (for non-SDT models)
- 90 Minute emergency run time, 24 hour recharge time
- UL 924 Listed for Damp Locations
- Optional remote capability up to 3W, compatible with JLED, RL1-WP or RL52 remote lamps
- California Energy Commission (CEC) compliant

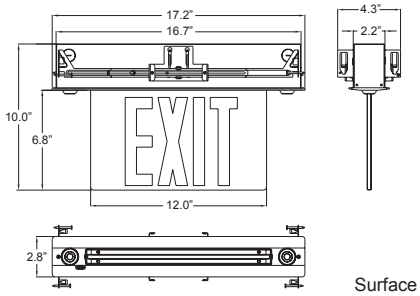
SPECIFICATIONS:
Illumination: Long-life, high-intensity, red or green LEDs with 2.5W LED lamp heads (non-SDT models)
Housing: Steel or aluminum housing with high-grade acrylic panels
Input: 120/277VAC Dual primary, 60Hz
Battery: Maintenance-free NiMH battery
Operating Temp: 5°C to 40°C (41°F to 104°F)
Run Time: UL Listed 90 minute emergency run time, 24 hour recharge time
Electrical: Low voltage disconnect eliminates deep discharge
Legend: Fully-illuminated 6" characters with 3/4" stroke, field-selectable directional chevrons, and comes standard with clear single-face and mirrored double-face panels
Mounting: Surface ceiling, surface wall, recessed ceiling and recessed wall mounting. Includes surface mount canopy or recessed mount hardware
Finishes: Brushed Aluminum, Black or White
Options: SDT - Self-test/Self-diagnostics; R - 3W Remote Capable, compatible with JLED, RL1-WP or RL52 remote lamps
Certifications: UL 924 Listed, meets or exceeds NEC requirements and NFPA 101, Suitable for Damp Locations
Warranty: Any component that fails due to a manufacturing defect is guaranteed for five years with a separate five year prorated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces.

ON-CENTER SPACING
(Using multiple units mounted at a typical 7.5 foot height, 85/50/20 reflectance)

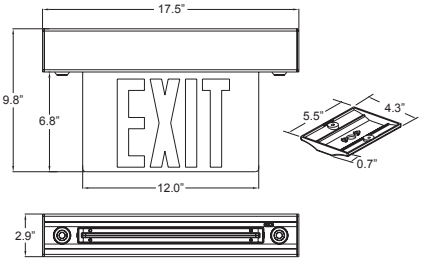
Model	# of LED Lamps	3' Path, 6' Corridor	6' Path, 6' Corridor
LSXELC	2	**31'**	**30'**
LSXELC-G2	2	**25'**	**24'**

DIMENSIONS

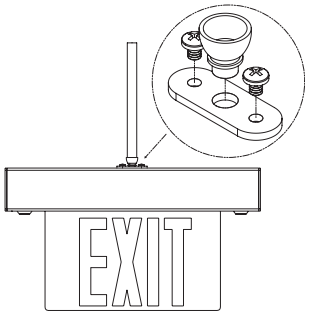
Recessed Mount Dimensions



Surface Mount Dimensions



PENDANT ADAPTER



2026.10

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ORDERING INFORMATION Example: LSXELC-SM-R-WH-SDT

Series	Mounting	Panel Color	Finish	Options (Factory Installed)
LSXELC[1] = Universal	R = Recessed	G = Green Legend	AG = Brushed Alum.	SDT[2] = Self-test/Self-diagnostics
	SM = Surface	R = Red Legend	BL = Black	R[3] = 3W Remote Capable
			WH = White	

Notes	
[1] Supplied with single-face (clear) and double-face (mirrored) panel configurations	
[2] SDT Option uses 1.5W LED lamp heads	**Accessories[4,5]** (Field Installed)
[3] Compatible with JLED, RL1-WP or RL52 remote lamps	LSXELC-G-FP = Green Single Mirror Panel
[4] Not UL Listed item	LSXELC-R-FP = Red Single Mirror Panel
[5] Order as separate line item	LSXELC-PENDANT-ADAPTER = Pendant Adapter

CONSTRUCTION
Housing: Available in either a Brushed Aluminum, Black or White finish.
Surface - Engineering grade aluminum extrusion with mounting canopy.
Recessed - Steel housing supplied with galvanized steel adjustable hanger bar assembly.

Panels: Constructed of clear high-grade acrylic. Stencil letters are 6" high with 3/4" stroke, with minimum of 100' viewing distance rating as required by UL 924 standard. Double-face panels are supplied with a mirror insert. Units are supplied with field-selectable directional chevrons for optimal flexibility in all applications.

ILLUMINATION: High-output red or green LEDs provide superior brightness with energy consumption of less than 5W. Path of egress illumination is provided by (2) 2.5W (non-SDT models) white LED lamps. LEDs are a maintenance-free lighting solution.

ELECTRICAL
Input
Dual-voltage input 120 or 277VAC at 60Hz.

Nickel Metal Hydride Battery - NiMH: NiMH batteries are maintenance-free. NiCad technology provides long-lasting, safe and reliable performance by utilizing the jelly roll design and allows a NiCad cell to deliver a much higher maximum current than an equivalent size alternative battery. As a relatively larger area of the electrode is in contact with the active material in each cell, the internal resistance for an equivalent sized NiCad cell is lower which increases the maximum current that can be delivered.

Emergency: Will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

Low Voltage Disconnect: When the battery's terminal voltage falls below predetermined levels, the low voltage circuit disconnects the emergency lighting load. The disconnect remains in effect until normal power is restored, preventing deep battery discharge and improving the life of the battery. The disconnect will also automatically reconnect the load circuit once the battery voltage returns to a normal value after charging.

Test Button: Test button is easy to locate and allows for manual verification of the transfer circuit and emergency lamps.

INSTALLATION
Surface Mounting: Supplied canopy provided for surface mounting. All hardware is included.

Recessed Mounting: Recessed ceiling mount, accessible above the plenum. Electronics and battery are contaained in the housing. Plug-in battery connector supplied for easy installation. All hardware is included.

OPTIONS
Guardian Self-test/Self-diagnostics (Option: SDT): The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage and charging circuit. The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the dual color LED. Refer to the instruction manual for detailed information. The Guardian circuit also monitors the transfer circuit as well as performing automatic code compliance testing.

Remote Capable (Option: R): Rremote capable and provides up to 3W of remote power for 90 minutes, compatible with JLED, RL1-WP or RL52 remote lamps

CONFORMANCE TO CODES & STANDARDS: Damp Location Rated, UL 924 Listed and meets or exceeds the following: NEC requirements, CEC and NFPA 101.

2026.10

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