

# Wiring Guide

## Switching Options

### Key

- ✕ Power Feed and Support Location
- Support Location
- ⊗ Emergency Power Feed and Support Location
- ⊠ Power Feed, Emergency Power Feed and Support Location

**SCT** Single Circuit. All lamps are wired to a single circuit.

**DCT** Dual Circuit. Two light levels are achieved by switching separate rows of lamps in the same fixture on two independently switched circuits. Dual circuit fixtures share a common neutral.

For fixtures or runs with 2 lamps in the cross section the standard circuiting is one side is wired to circuit "A" and the other side is wired to a circuit "B".



The default for a fixture with 3 lamps (or more) in the cross section is the row of lamps on the outside are wired to a switched circuit "A" and the lamps located in the middle are wired to a switched circuit "B".



**ALC** Alternating Lamp Circuits. Lamps in the same cross section are wired to one circuit and the next cross section is wired to the second circuit. These two circuits alternate across the fixture row. Alternating lamp circuits share a common neutral.

Single Lamp in Cross Section



# Wiring Guide

## Switching Options

### Key

- ✕ Power Feed and Support Location
- Support Location
- ⊗ Emergency Power Feed and Support Location
- ⊗ Power Feed, Emergency Power Feed and Support Location

### Number of Emergency Modules

**1SE** 1 Section. One 4FT module per run will have an Emergency Lighting option.

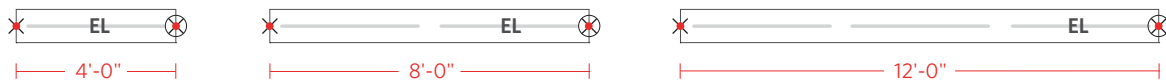
**2SE** 2 Sections. Two 4FT modules per run.

*The standard maximum number of 4FT modules is one per 4 / 8 / 12 foot fixture section.*

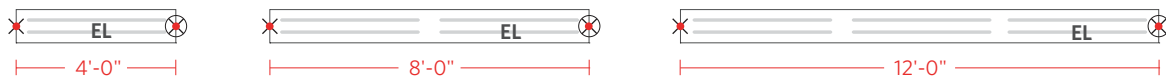
### Emergency Type

**EL** Emergency battery pack. In the event of a power failure the battery pack will supply emergency power. Each battery pack will be connected to one lamp unless otherwise specified.

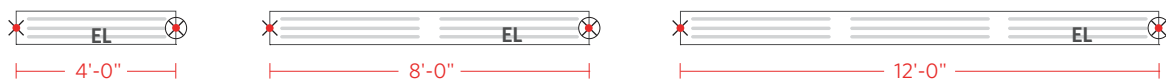
Single Lamp in Cross Section



Two Lamps in Cross Section



Three Lamps in Cross Section



# Wiring Guide

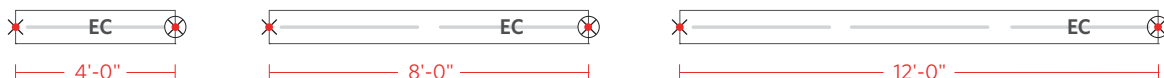
## Switching Options

### Key

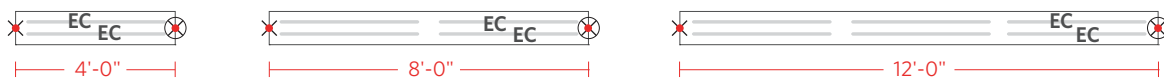
- ✕ Power Feed and Support Location
- Support Location
- ⊗ Emergency Power Feed and Support Location
- ⊗ Power Feed, Emergency Power Feed and Support Location

**EC** Emergency Circuit or Night Light circuit. When used as an emergency circuit, separate circuit wiring is provided for an alternate building power source (generator, uninterruptable power supply, etc.) When used as a nightlight circuit, separate circuit wiring is provided for an un-switched circuit so that designated lamps will always remain on. Each emergency or nightlight circuit will be connected to a single lamp when only one lamp is in the cross section. When two or more lamps are in the cross section the two outer most lamps will be connected to the circuit.

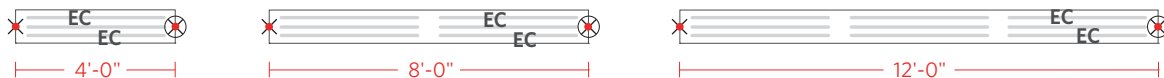
Single Lamp in Cross Section



Two Lamps in Cross Section



Three Lamps in Cross Section



**EN** Emergency Battery Pack with Night Light circuit. This option combines EL and EC options into one emergency section. Like EC, this option provides a separate circuit for connection to an alternate building power source (generator, uninterruptable power supply, etc.) or to an un-switched circuit for the specific use as a nightlight. When lamps are powered by an alternate building power source or un-switched circuit the two most outer lamps will be lit or a single lamp in the case of a one lamp cross section. Additionally, like EL, in the event of a power failure a battery pack will supply emergency power to one lamp unless otherwise specified.

Single Lamp in Cross Section



Two Lamps in Cross Section



Three Lamps in Cross Section



# Wiring Guide

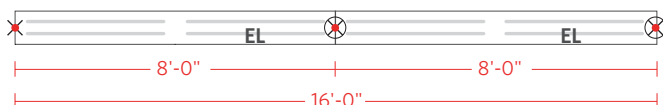
## Switching Options

### Key

- ✕ Power Feed and Support Location
- Support Location
- ⊗ Emergency Power Feed and Support Location
- ⊗ Power Feed, Emergency Power Feed and Support Location

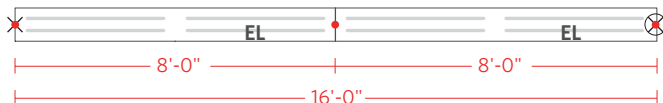
**(No option)** Each emergency lighting section is powered at the support point that follows it.

With Emergency Battery Pack



**ELH** Current load permitting, all emergency lighting modules are powered by through wires to one emergency power feed location. The emergency lighting power feed is located at the last support in the fixture run. ELH provides separate neutrals for emergency and normal power throughout the fixture. Check local code for compliance.

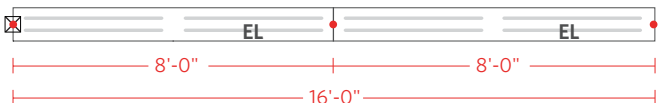
With Emergency Battery Pack



**ELS** Current load permitting, all emergency lighting modules are powered by a continuous through wire to one emergency power feed location. The emergency lighting power feed is located at the first support point in the fixture run and combined within the normal power feed cord, sharing a common neutral. Check local electrical code for compliance.

**ELS2** Current load permitting, all emergency lighting modules are powered by continuous through wires to one emergency power feed location. Normal and emergency power are fed via adjoining but separate feed cords located at the first support in the fixture run. ELS2 provides separate neutrals for emergency and normal throughout the fixture. Check local code for compliance.

ELS/ELS2 With Emergency Battery Pack



# Wiring Guide

## Switching Options

### Key

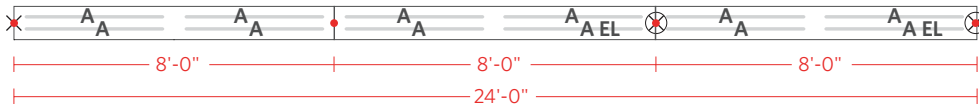
- ✕ Power Feed and Support Location
- Support Location
- ⊗ Emergency Power Feed and Support Location
- ⊠ Power Feed, Emergency Power Feed and Support Location

## EXAMPLE RUNS

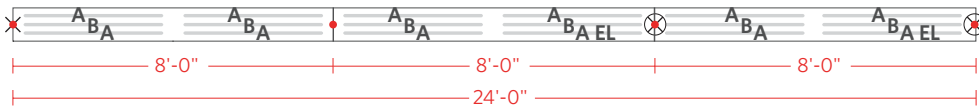
With Emergency Battery Pack



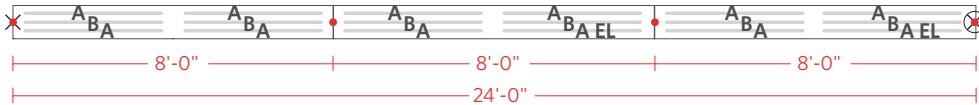
2 Lamp Cross Section, Single Circuit with Two Emergency Battery Packs



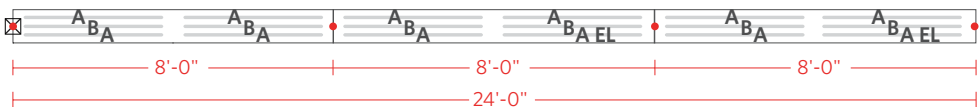
3 Lamp Cross Section, Dual Circuit with Two Emergency Battery Packs



3 Lamp Cross Section, Dual Circuit with Two Emergency Battery Packs and ELH Option



3 Lamp Cross Section, Dual Circuit with Two Emergency Battery Packs and ELS Option



Assumptions: 277V.