

Job/Location: \_\_\_\_\_  
 Contractor: \_\_\_\_\_  
 Prepared By: \_\_\_\_\_

Job Type: \_\_\_\_\_  
 Date: \_\_\_\_\_

- The **LUCE-1TL** thinline emergency ballast is designed to provide emergency illumination to existing or new fluorescent luminaires.

The **LUCE-1TL** consists of an internal nickel cadmium battery, charger and electronic circuit contained in a thinline steel housing.

NOTE: 3 year warranty standard, see details on next page.



- **Installation:** The **LUCE-1TL** thinline emergency ballast does not effect the normal operation of a luminaire. Designed to be used with either switched or unswitched luminaires. If a switched luminaire is used, an unswitched hot lead must be connected to the **LUCE-1TL**.

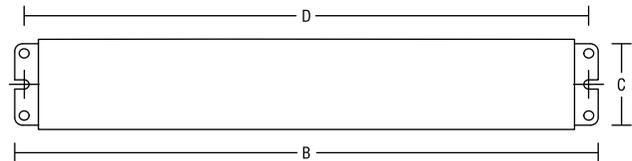
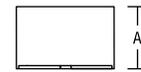
- The **LUCE-1TL** must be fed from the same branch circuit as the AC ballast. The **LUCE-1TL** may be installed inside, on top or remote of the luminaire. Installation is not recommended with luminaires where the ambient temperature may fall below 0C for extended periods.

## ■ specifications: internal

The LUCE-1TL thinline emergency ballast utilizes a high temperature nickel cadmium battery, charger and electronic circuit. All components are contained within a low profile, compact steel housing that measures 10"L x 2"W x 1.1875"H. A single, low voltage LED monitor / test switch is standard equipment. The LUCE-1TL is designed to operate for a minimum of 90 minutes and complies with the emergency standards set forth by the current NEC requirements. UL listed for installation inside, on top of, or remote from the luminaire.

## ■ specifications: external

The LUCE-1TL features a solid-state charging indicator light to monitor the charger and battery, a single-pole test switch, and installation hardware. Listed for installation inside, on top of, or remote from the fixture.



Series	A"	B"	C"	D"
LUCE-1TL	1.19" 30mm	10" 254mm	2" 51mm	9.5" 241mm

## ■ ordering logic

Series	Description
LUCE-1TL	450 - 500 lumens, (1) 8W-34W T5, T8 or T12 fluorescent lamp (including rapid start, U-shape and circline) or (1) 13W - 18W 4-pin compact fluorescent lamp (without integral starter).

## ■ builder

Series	Description
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## ■ specifications: electrical

**BATTERY:** The LUCE-1TL thinline emergency ballast utilizes a specially constructed high temperature nickel cadmium battery, charger and electronic circuit. A single, low voltage LED monitor / test switch is standard equipment. The LUCE-1TL is designed to operate for a minimum of 90 minutes.

**CIRCUIT:** The LUCE-1TL thinline emergency ballast can be used with one (1) 8W-34W T5, T8 or T12 fluorescent lamp (including rapid start, U-shape and circline) or one (1) 13W - 18W 4-pin compact fluorescent lamp (without integral starter). The LUCE-1TL is compatible with most electronic and dimming AC ballasts. Rated for use in damp location luminaires. The LUCE-1TL is not suitable for use in air handling heated air outlet luminaires, wet or hazardous rated luminaires. Please contact the factory for specific lamp and ballast compatibility. The LUCE-1TL features AC output to ensure compatibility with newer lamp technologies (low mercury, for example). This feature also helps in prolonging the lamp life. A standard three (3) second time delay prevents false tripping of the AC ballasts 'end of life' shut down circuitry.

## ■ specifications: mechanical

The LUCE-1TL features a 10" x 2" x 1.88" durable thinline steel housing.

## ■ emergency illumination

During AC power failure, the LUCE-1TL thinline immediately switches to the emergency mode, keeping one lamp illuminated at a reduced lumen output for a minimum required 90 minutes. When AC is restored, the LUCE-1TL automatically returns to the charging mode. The integrated time delay feature delays AC ballast operation for three (3) seconds to prevent false tripping of the AC ballasts 'end of life' shut down circuitry. The LUCE-1TL thinline emergency ballast produces an initial 500 lumens during emergency operation. Designed to operate a single (1) lamp for a period no less than 90 minutes. Lumen output is less when using a compact fluorescent lamp.

## ■ UL and code compliance

The LUCE-1TL thinline emergency ballast has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," and is UL Listed for factory or field installation. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC) and UL 90-minute requirements.

## ■ warranty

The LUCE-1TL thinline series features a 3-year factory warranty. Deliberate damage, misuse, improper installation and/or application effectively cancel the warranty.

## ■ product summary

<b>UL Listed</b>	<b>Dual Voltage Input</b>	<b>Test Switch/Charge Indicator</b>	<b>Temperature Rating (Ambient)</b>
Damp Location Factory or Field installation	120/277VAC 60Hz	Low Voltage monitor LED and test switch	0°C TO +50°C (32°F TO 122°F)
<b>Illumination</b>	<b>Ac Input Current</b>	<b>Battery Charging Current</b>	<b>Weight</b>
90 Minutes	130mA	110mA	1.4LBS (0.6 KG)
<b>Initial Light Output</b>	<b>Ac Input Power Rating</b>	<b>Recharge Time</b>	
450 - 500 Lumens	3.0 Watts	24 Hours	
<b>Dimensions</b>	<b>Battery</b>	<b>Full Warranty</b>	
10"L x 2"W x 1.1875"H (254mm x 50.8mm x 30.16mm) Mounting center 9.5625"	4.8V / 2.0Ah High-temperature Maintenance-free Nickel Cadmium	3 years (NOT pro-rated)	