

Job Name: _____

Type: _____

Voltage: _____

- Damp location listed.
- End-of-lamp-life compatible.
- One lamp operation.



CODES AND STANDARDS

UL Listed in accordance with the standards set forth in UL924, "Emergency Lighting and Power Equipment," and is UL Listed for factory installation or field retrofit. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-101) and UL924 90-minute requirements.

APPLICATION

The DEB-1LP fluorescent emergency ballast works in conjunction with an AC ballast to convert new or existing fluorescent fixtures into unobtrusive emergency lighting. The emergency ballast consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one compact case. The DEB-1LP can be used with one 17 - 40 W (2' - 4') T8, T10 or T12 fluorescent lamp without an integral starter, including U-shaped, HO, VHO, circline and energy-saving, or (4-pin) long compact. It is also compatible with most one, two, three and four-lamp electronic, standard, energy-saving and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary.

OPERATION

When AC power fails, the DEB-1LP immediately switches to the emergency mode, keeping one lamp illuminated at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the DEB-1LP automatically returns to the charging mode and, using a patented circuit, delays AC ballast operation for approximately three seconds to prevent false tripping of the AC ballast end-of-lamp-life shutdown circuits.

BATTERY

Since high temperatures exist in fluorescent luminaires, the DEB-1LP uses a specially constructed, high-temperature nickel cadmium battery. This battery requires no maintenance, and has a life expectancy of 7 to 10 years. The suggested operating temperature range is 32°F (0°C) to 122°F (50°C).

RESTRICTIONS

Suitable for indoor and damp locations and for sealed and gasketed fixtures including installation inside of fixtures rated for wet locations. It is not suitable for installation in wet locations, hazardous locations or for air handling air outlet applications.

EMERGENCY ILLUMINATION

Produces 350-500 lumens initial emergency light output. During emergency illumination one lamp is illuminated.

INSTALLATION

This emergency ballast does not affect normal luminaire operation and may be used with either a switched or unswitched luminaire. If a switched luminaire is used, an unswitched hot lead must be connected to the emergency ballast. The emergency ballast must be fed from the same branch circuit as the AC ballast. The DEB-1LP may be installed inside or on top of the luminaire. Installation is not recommended with luminaires where the ambient temperature may fall below 0°C for extended periods.

For factory installed **DEB-1LP** use a suffix number **-E1LP** with luminaire catalog number.

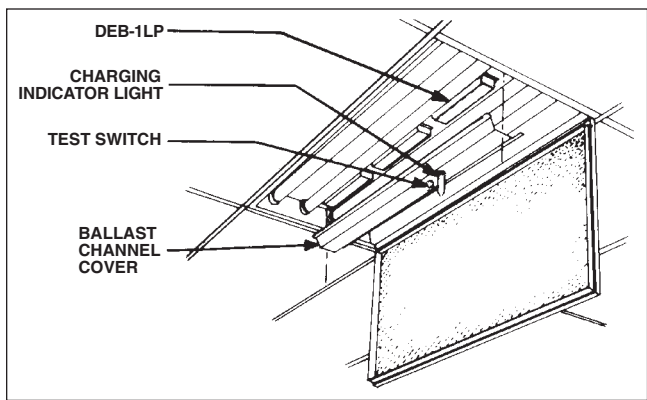


TABLE 1	
LAMP	LUMENS
F032T8	450

DEB-1LP SERIES Low Profile Fluorescent Emergency Ballast for 350 - 500 Lumens

SPECIFICATIONS

SUGGESTED SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent luminaire equipped with a DEB-1LP emergency ballast. This emergency ballast shall consist of a high-temperature, maintenance-free nickel cadmium battery, charger and electronic circuitry contained in one 16.7"x1.7"x1.18" galvanized steel case. A solid-state charging indicator light to monitor the charger and battery, a single-pole test switch, and installation hardware shall be provided. The emergency

ballast shall be capable of operating one 17-40W (2'-4') T8, T10 or T12 fluorescent lamp or (4+ pin) long compact fluorescent lamp at reduced illumination in emergency mode for a minimum of 90 minutes. The DEB-1LP shall produce 350 to 450 lumens initial emergency light output, have 1.5 watts of input power, a 7.2 Watt-hour battery capacity, and comply with emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed for installation inside or on top of the luminaire and warranted for three years from date of purchase.

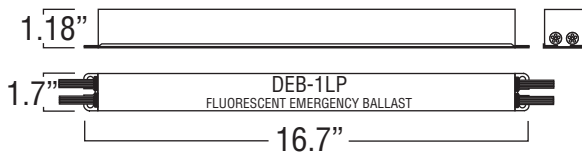
ELECTRICAL & MECHANICAL

- Dual input voltage 120/277
- Electrical rating—2.5 watts
- AC input current—200mA
- Recharge time—24 hours
- Test switch provided
- Charging indicator light provided—LED
- Ballast case dimensions—16.7"x1.7"x1.18"
- Battery is a high temperature nickel cadmium type requiring no maintenance and life expectancy of 7 to 10 years.
- Battery charging current—200mA
- Weight—2.0 lbs.

WARRANTY

Three year warranty on unit from date of purchase

DIMENSIONS



WIRING DIAGRAM

