

bodine

Emergency Ballast

Fluorescent & TLED

B50CT



Emergency lighting for fluorescent and TLED applications

The Bodine B50CT emergency ballast is designed to work with linear fluorescent and Type A TLED applications. The B50CT operates one lamp in emergency mode and, depending on the wattage and lamp selected, produces up to 1400 lumens initial emergency light output. It is UL Listed for the U.S. and Canada and meets CEC Title 20 efficiency standards.

B50CT Emergency Ballast

Emergency fluorescent & TLED applications

Application

The B50CT emergency ballast works in conjunction with an AC ballast to convert new or existing fluorescent or TLED fixtures into emergency lighting. The emergency ballast handles a wide range of input voltages and frequencies and consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one compact metal case. B50CT operates one lamp in emergency mode. It is compatible with most single- and multi-lamp electronic and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. The B50CT is suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. It is not suitable for air handling heated air outlets or wet or hazardous locations. For information about specific lamp and ballast compatibility, please call the factory.

The B50CT is a great choice for offices, retail locations, schools, hospitality and other settings.

Operation

When AC power fails, the B50CT immediately switches to the emergency mode, operating one lamp at a reduced lumen output for a minimum of 90 minutes. When the AC power is restored, the emergency ballast 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.

Installation

The B50CT does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture 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 B50CT may be installed inside, on top of or remote from the fixture. The emergency ballast may be remotely installed up to half the distance the AC ballast manufacturer recommends removing the AC ballast from the lamp or up to 50 feet, whichever is less. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C.

Product Highlights

- Compatible with 13 – 55W fluorescent lamps*
- Compatible with 7 – 16.5W Type A TLED lamps (including Philips LED T8 InstantFit)*
- Meets CEC Title 20 efficiency standards
- Low-profile case (1.18" H)
- Universal input (120 through 277 VAC, 50/60Hz)

*See product specification sheet for compatibility details.



Dimensions:

Enclosure - 338.1 mm x 55.88 mm x 29.97 mm)



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