Leading the way in
innovative design and
greater ease of installation

Philips PTB15D is an emergency inverter designed for dimmable Type B TLED fixtures where a standard emergency driver isn’t compatible. The slim form factor (15.34” x 2.25” x 1.16”) allows for simplified installation and greater flexibility. Models with and without a conduit are available.

PTB15D emergency lighting Inverter works in conjunction with dimmable Type B TLED lamps to create an emergency lighting system when a standard emergency driver will not.
PTB15D 15W Phase-Cut Dimmable Inverter

Dimming Application - greater ease of installation

The PTB15D features a phase-cut dimming control output similar to the same dimmers used for incandescent and some LED retrofit lamps. This dimming capability allows a lighting load with up to a 15W maximum input power to be dimmed to a 12.5VA maximum emergency output power.

The emergency mode output dimming voltage is automatically controlled by the PTB15D electronic circuitry to maintain up to 12.5VA output throughout the loss of AC power. The PTB15D passes the normal room switched/phase-cut AC mains during normal operation (AC mains on) so normal dimming operation of the fixture is not affected.

Key Benefits

- Compatible with dimmable Type B TLED lamps (up to 15W)
- With the phase-cut dimming capability, it allows a lighting load with up to a 15W maximum input power to be dimmed to a 12.5VA maximum emergency output power
- The small size helps simplify installation, takes up less space and provides flexibility
- The phase-cut dimming control output is similar to the same dimmers used for incandescent and some LED retrofit lamps
- Works in Type B TLED applications when a standard emergency LED driver will not
- Use in field-installed TLED Type B retro-fit luminaires or factory luminaires
- Meets California Energy Commission Title 20 efficiency requirements
- Remote mounting up to 250 feet

Dimensions

15.34” x 2.25” x 1.16” (390mm x 58mm x 30mm / mounting center – 15.0” (381mm)

Wiring Schematic
PTB15D 15W Phase-Cut Dimmable Inverter

Two Models Available

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Specifications

- UL Listed for US and Canada: Listed to UL 924 and tested to CSA 22.2, No. 141. For Field or Factory Installation (Indoor and Damp)
- Maximum Connected Load: 15W
- Maximum Output Power: 12.5VA into load
- Illumination Time: 90 Minutes
- AC Input Voltage and Current: 120 through 277VAC, 50/60 Hz, 80 mA (charging)
- Recharge Time: 24 Hours
- Charging Indicator Light / Test Switch: Integrated LED Test Switch
- Battery: Maintenance-Free Li-ion Battery
- Output Voltage, Emergency: 120 VAC +/- 10%
- Output Frequency: 60 Hz, ± 5%
- Dimming: Reverse Phase-Cut Type
- Transfer Time: Up to 5 seconds
- Temperature Rating (Ambient): 32° F to 113° F (0° C to 45° C)
- Dimensions: 15.34” L x 2.25” W x 1.16” H (390mm x 58mm x 30mm)
- Weight: 2.72 lbs. (1.23kg)
- Warranty: 5 years (NOT pro-rata)

Compatible TLEDs

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For more information please visit philips.com/mainsfit

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