

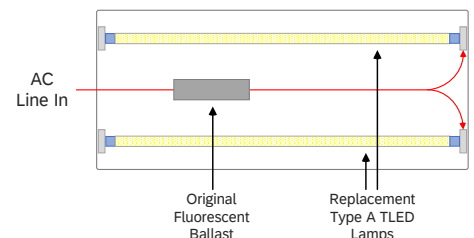
bodine

Emergency lighting for TLED applications

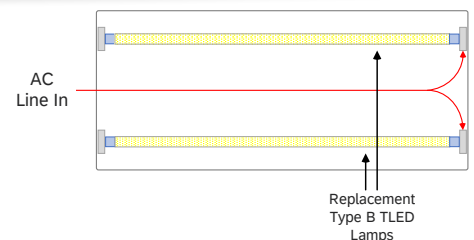
Bodine has the right emergency lighting products for your TLED installations. No matter the type of lamp used, be it Type A, B, or C, Bodine has the field installable, 100% compatible solution that fits your need.

Match your lamp type to the description below, then check page 2 for the appropriate Bodine products.

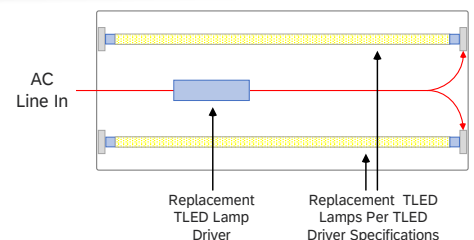
Type A – Type A TLED retrofit lamps have internal circuitry that interfaces with the existing fluorescent ballast. They are a direct replacement for fluorescent tubes. This type of retrofit is the simplest and can easily be done by anyone that can also replace a fluorescent tube.



Type B – Type B TLED replacement lamps have internal drivers that convert AC mains power to DC in order to power the lamps LED array. These are powered directly from the AC line and are sometimes called “ballast bypass” TLED lamps or “mains operated” TLED lamps.



Type C – Type C TLED systems focus not on the lamp but on the whole system, by providing replacement lamps along with a paired driver. Typically the driver will provide DC voltage to the lamps but high voltage AC power is also possible. These dedicated drivers can have controls or special options which makes the system approach attractive.



Why TLEDs?

The applications for TLED (Tubular LED) lamps are plentiful and ever growing. TLED lamps provide an easy upgrade to energy efficient LED lighting for older fluorescent luminaires. LEDs are much more efficient than fluorescent lamps, but they also typically have a better quality of light and a much longer lifespan.

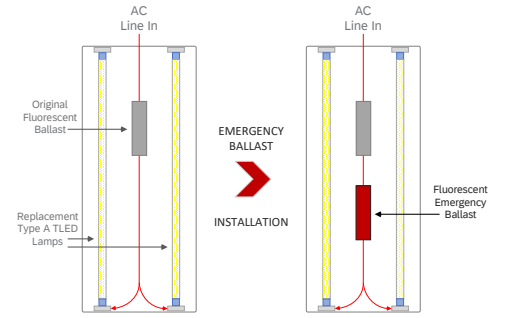
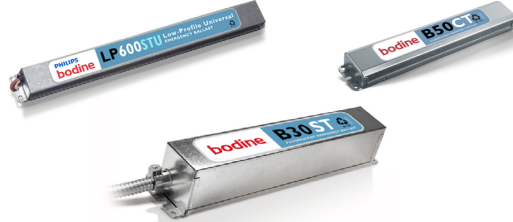
Type A

Use: Select Bodine Fluorescent Emergency Ballasts

Though designed for fluorescent lamps, many of the Bodine FEBs (Fluorescent Emergency Ballasts) are suitable to drive Type A TLEDs.

The B50CT is designed for fluorescent lamps and optimized for TLEDs to provide the best compatibility and light output for the size. The B50CT is also CEC Title 20 compliant.

IN SOME CASES...
 ...the FEB already installed in the luminaire may be compatible. Please see www.bodine.com/TLED to verify. If the FEB is more than 5 years old it could be beneficial to replace it anyway, so that its performance is at its best and you have latest features.

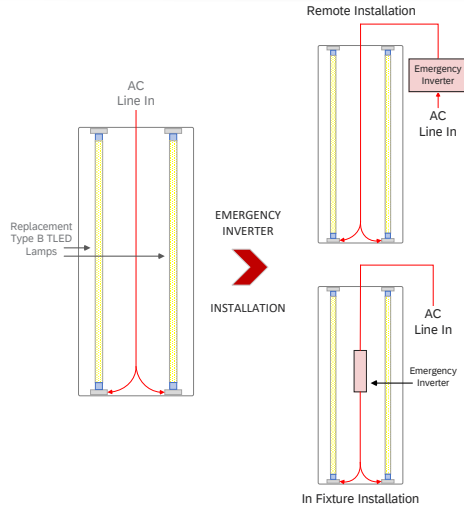


Type B

Use: Bodine ELI or BTB Series Inverters

Bodine emergency lighting inverters are able to drive one or more lamps depending on the ratings and wiring configuration selected.

Emergency lighting inverters are perfect for remote installation, especially the higher power models. However, smaller, low-power models, such as the ELI-S-10 and BTB15D, can also be installed inside of the luminaire.



DID YOU KNOW?
 The adoption of the DLC's performance standard v5.1 requires a luminaire to be dimmable. This also includes luminaires with Type B TLED lamps. The BTB15D is a perfect in fixture emergency solution when utilizing phase cut (triac) dimmable Type B lamps, such as the Philips MainsFit CorePro.

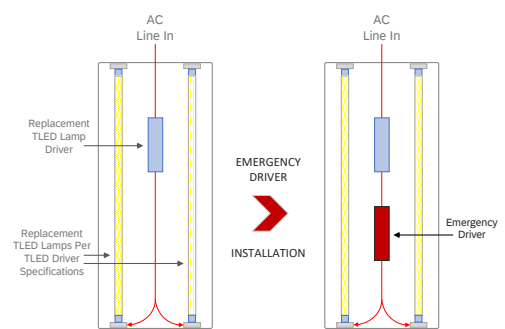
Type C

Use: Bodine LED Emergency Drivers (for DC Driven) or Bodine FEBs (for High Voltage AC Driven)

Depending on the lamp type used (AC or DC), there are many great Bodine products with convenient features you've come to rely on, such as self-test, cold temp capabilities, extended runtimes, ABConnect, remote mounting, and more.



IF IN DOUBT...
 ...about if your TLED being AC or DC driven, a Bodine ELI series inverter can provide backup power to the entire luminaire. Several luminaires can be backed up by the larger power output ELI inverters, if needed.



Please visit www.bodine.com/TLED to find addition product suggestions and information, including specification sheets and installation instructions with complete wiring diagrams. If any questions, please call the Collierville team at **1-888-BODINE-8** (option 2) or email us at bodinetechn@signify.com.

The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract.

