



The ILB-CP Series and UL Classification

Manufacturer's Reference for UL Classified IOTA Constant Power LED Emergency Drivers

Recently, IOTA announced a new UL Classified mark associated with the ILB-CP Series Constant Power LED Emergency Drivers - an industry-first regarding field-installable LED emergency drivers, not tied to a specific make and model of normal driver/LED array. The UL Classified status of the ILB-CP Series delivers certain benefits as it relates to the approval process for factory installation of the ILB-CP LED emergency product.

PROCESS

The ILB-CP Series is UL Classified for field installation in accordance with UL 924 and FTBV, Emergency Light-Emitting-Diode Drivers, and is not tied to a specific driver and LED array combination. IOTA has proven, through an immense test program, the predictability and repeatability of performance of the ILB-CP product with any class 2 designed luminaire system, and thus has reduced the approval process to a simple paper exercise with UL.

The same test program used to gain field installation capabilities can be taken advantage of at the luminaire manufacturing level, we have done the testing for you. The same criteria to determine appropriate use in the field can now be used to add the ILB-CP series to your regulatory files:

- Illustrate the use of class 2 driver components in the luminaire design.
- Provide verifiable luminaire delivered efficacy data to predict emergency lumen output performance.

The UL Classification mark makes it easy to have the ILB-CP Series included in the product regulatory report. While this simplified process removes the need for resource allocation, formal regulatory test programs, reduces project costs and reduces the time-to-market needs for your customers, *it does not supersede the manufacturer's internal due diligence test program to gain confidence with their emergency solution.*

BENEFITS

IOTA ILB-CP Series LED Emergency Drivers offer unique performance features for LED luminaires, making the ILB-CP Series an advantageous LED emergency solution.

- 10 to 60 VDC auto-sense output with inversely proportional current output.
- UL 1310 Class 2 Output
- Constant Power output to the LED array in the emergency mode
- No lumen depreciation over the 90-minute runtime.
- **UL Classification for simplified approval process in factory installations.**
- The luminaire may now achieve UL924 status without performing minimum light output testing.
- UL damp location listed standard in temperatures from 0 to 55 degrees.
- Suitable for use in sealed and gasketed luminaires.

RESOURCES

Along with the new UL certification, IOTA has developed a web-based tool kit that includes useful references and features to simplify the ILB-CP selection process.

Go to <http://www.iotaengineering.com/cptools> to access the following ILB-CP resources:

- Performance calculator to determine emergency current and minimum lumen output.
- Specification data sheets.
- Installation and instruction manuals.
- Copy/paste performance specifications.
- STP files - 3D models for importing into luminaire design software.

As always, feel free to contact IOTA Customers Service at **1-800-866-4682** for additional information.