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CP Series Compatibility and Suitability of Use Guidelines Addendum (Rev.11042014)

The purpose of this addendum is to sufficiently identify electrical compatibility and predictable emergency light output of the LED luminaire when used with the IOTA ILB-CP Series LED emergency drivers. Verification of these operating traits does not constitute a code-compliant, as-installed emergency egress system. It is still the responsibility of the Designer/Specifier to assure appropriate light levels are achieved during emergency operation of the luminaire in accordance with Federal, state and local municipal codes regarding path of egress illumination.

1. Determining Electrical Compatibility

- 1.1 Verify Class 2 compliant driver per driver manufacture specifications.
- 1.2 Verify that the Emergency Driver (ILB-CP Series) selected does not exceed the power delivered to the LED array (voltage and current) of the normal driver.

2. Calculating Lumen Output During Emergency Operation

2.1 Assess luminaire/fixture data.

2.1.1 DESIGNLIGHTS CONSORTIUM

- Log onto the DesignLights Consortium website (www.designlights.org).
- Click on “search the DLC Qualified Product List” button on the DLC homepage.
- In the “search by keyword” text window enter: luminaire manufacturer name and part number.
- Click on “Search” tab to open the “Qualified Products List.”
- Determine per “RATED DATA” efficacy shown in lumens per watt - (lm/w).
- Multiply lumens per watt by ILB-CP rated output (example: lm/w x 5 watts). Refer to table “ILB MODEL SPECIFICATION CHART” below for the wattage of the specific ILB-CP model to be used in the luminaire. (lm/w) x (ILB-CP Watts) = Minimum emergency lumens of fixture.
- Determine per “RATED DATA” the “wattage of the luminaire.”

ILB MODEL SPECIFICATION CHART

MODEL #	OUTPUT POWER (CONSTANT)
ILB-CP05	5 WATTS
ILB-CP07	7 WATTS
ILB-CP10	10 WATTS
ILB-CP12	12 WATTS
ILB-SL-CP05	5 WATTS
ILB-SL-CP07	7 WATTS
ILB-SL-CP10	10 WATTS
ILB-SL-CP12	12 WATTS

3. Determining Adequacy of Means-of-Egress Lighting Levels

- 3.1 Follow industry standards by utilizing available .ies files and lighting design software for your dedicated emergency luminaires, with the above calculated emergency lumens, and validate your as-installed plans in accordance with the applicable life safety codes governing your project.

While the ILB-CP series has been found compliant with the requirements of UL Standard 924, it is ultimately the responsibility of the Designer/Specifier to assure the as-installed system delivers code-compliant path of egress illumination in accordance with Federal, State or local municipal requirements.