



General Description

EBP LEDCP provides constant power output to the load during emergency mode operation. They maintain illumination in the emergency mode for a minimum of 90 minutes.

Features and Benefits

- 90 Minute minimum emergency operating time over full temperature range (other run times available upon request)
- Can be installed inside, on top of the fixture or remotely mounted
- Can be operated as NORMALLY-ON, NORMALLY-OFF or SWITCHED LOAD
- LED illuminated and remote mounted test switch

Approvals and Listings

- UL Classified for factory or field installation
- Suitable for damp locations (0°C - 50°C)
- 5 year warranty on all electronics and housing
- Meets UL924, NFPA 101 Life Safety Code, NEC, OSHA
- Local and State codes

Electrical

- Universal 120-277V, 50/60 Hz input
- Charge/Power "ON" LED indicator light and push-to-test switch for mandated code compliance testing
- Output short/overcurrent protection: Electronic limiting, with normal operation resuming upon removal of fault
- Output classification: Class 2 Compliant
- Surge protection: Per C62.41 (TVS)
- Input overcurrent protection: Fusible link
- Maintenance-free, long life, sealed Nickel Cadmium battery
- Maximum battery recharge time: 24 hours

Warranty

All lighting emergency ballasts are warranted for a full five (5) years against defects in material and workmanship (lamps excluded).

Note

Conditions apply for remote mounting. Consult factory.

Specifications

Housing

Injection-molded, engineering grade, 5VA flame retardant, high-impact resistant, thermoplastic in a black finish.

LED light source

Lumen output based on LED light source having efficacy of 160 lumens/watt. Actual output may vary depending on light source utilized. Provides regulated power from 5.0 watts to 17.0 watts (up to 800 to 2400 lumens)

Series System Coordination Guidelines

These guidelines were developed to allow the lighting system Designer/Specifier to predict the operating performance levels of LED luminaires when powered by an electrically compatible EBP LEDCP Series model. It is ultimately the responsibility of the Designer/Specifier to insure that the as installed system delivers code-compliant path of egress illumination.

1. Determine Electrical Compatibility

- A. Verify that the Luminaire LED Driver, where applicable, is Class 2 compliant.
- B. Verify that the Luminaire LED Lamp(s) have an operating voltage between 20Vdc and 50Vdc.
- C. Verify that the Luminaire LED Lamp(s) have a power rating equal to, or greater than, the emergency power rating of the EBP LEDCP model under consideration.

Please refer to Table 1.

2. Calculate Lumen Output during Emergency Operation

- A. Access luminaire data by logging onto Design Lites Consortium (www.designlights.org).
- B. Select "Search the DLC Qualified Product List" on the DLC homepage.
- C. Enter manufacturer name and P/N of luminaire under consideration in the "search by keyword" text window.
- D. Select "Search" tab to open the "Qualified Products List".
- E. Determine luminaire Lumens per Watt efficacy in "Rated Data" specifications.
- F. Multiply luminaire Lumens per Watt by Emergency Output of the EBP LEDCP model under consideration.

Please refer to Table 1. This figure is the Lumens available from the luminaire during emergency operation.

3. Determine Suitability of Means of Egress Lighting Levels

- A. Using industry standard lighting design software, along with IES files for the luminaire under consideration, verify that the as installed available

Lumens (as calculated in 2F above) are sufficient to meet Code-compliant path of egress illumination levels.

While the EBP LEDCP 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.

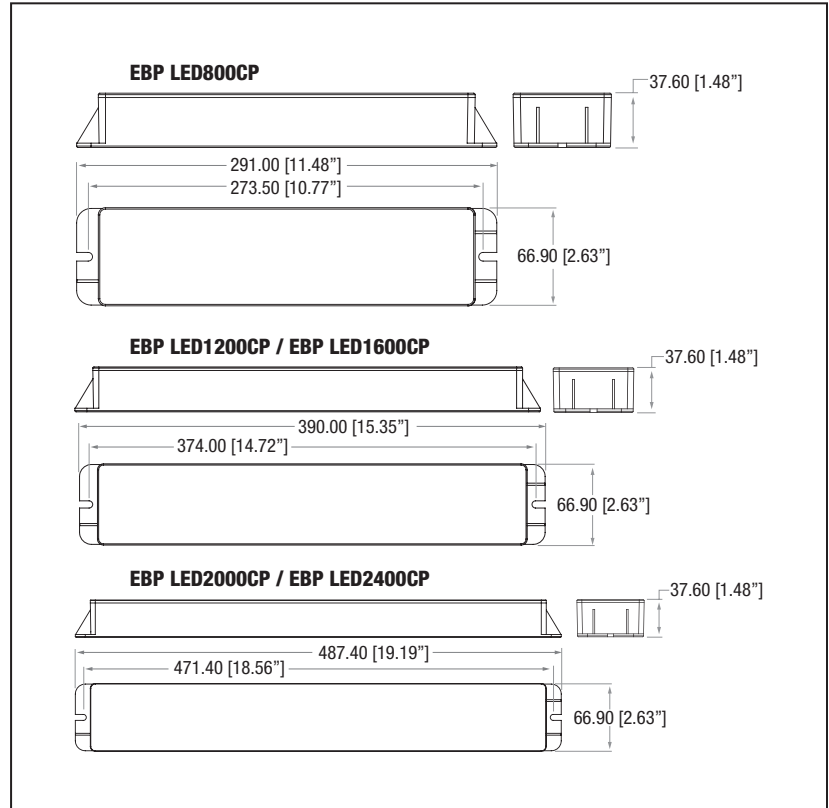


Table 1

Electrical Information			Output Operating Range		Output Power	
Model	Input Current (A)	Input Power (W)	Voltage (Vdc)	Current (mAdc)	Watts	Lumens
EBP LED800CP	0.061	3.9	20-50	250-110	5.0	800
EBP LED1200CP	0.065	4.8	20-50	390-156	7.8	1250
EBP LED1600CP	0.087	5.7	20-50	535-214	10.7	1700
EBP LED2000CP	0.110	6.9	20-50	685-274	13.7	2200
EBP LED2400CP	0.110	7.9	20-50	850-340	17.0	2700