LBD Series

Constant Power Emergency LED Driver

The Exitronix LED Backup Driver (LBD Series) is specifically designed to provide emergency lighting of LED fixtures with the loss of power. The unit's low-profile configuration makes the series suitable for most pre-installation and on-site applications.

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

AVAILABLE WHILE SUPPLIES LAST

Consult factory for available SKUs

SPECIFICATIONS

Illumination:

- Provides constant power output to the load during emergency mode operation
- Can be operated as NORMALLY-ON, NORMALLY-OFF or SWITCHED LOAD

Electrical:

- Universal 120-277VAC, 50/60Hz input
- Charge/Power "ON" LED indicator light and push-to-test switch for mandated code compliance testing
- Long-life, maintenance-free, rechargeable NiCad battery
- Output short/overcurrent protection: Electronic limiting, with normal operation resuming upon removal of fault
- 90 Minute minimum emergency operating time over full temperature range
- Output classification: Class 2 Compliant
- Surge protection: Per C62.41 (TVS)
- Input overcurrent protection: Fusible link
- From 800 to 2400 lumen output
- Output Voltage 20-50VDC, 50-110VDC, and 100-220VDC (2.0A maximum, 50-110VDC and 100-220VDC only available in 17W)
- 24 Hour maximum battery recharge time
- LED illuminated and remote mounted test switch

Housing:

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

Mounting:

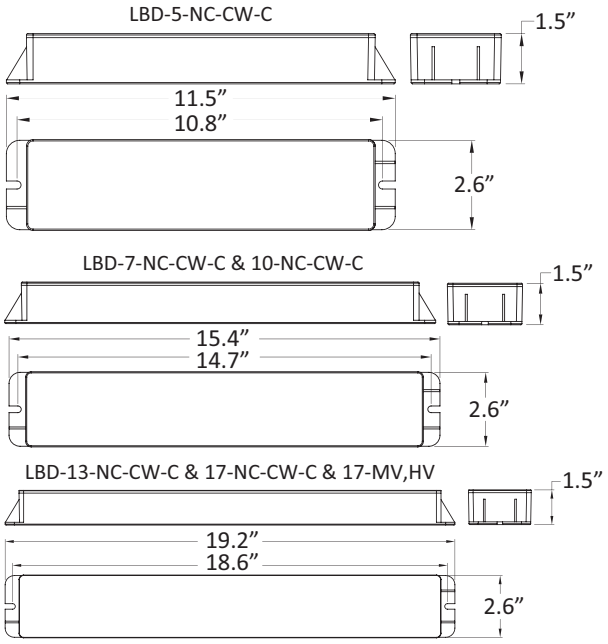
- Suitable for installation on top of a fixture
- Can be remote mounted (up to 50')

Testing and Compliance:

- Suitable for Field Installation
- Suitable for Damp Locations 0°C to 50°C (32°F to 122°F)
- UL Listed

Warranty:

Any component that fails due to a manufacturing defect is guaranteed for five years. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information.
(Terms and Conditions apply)



Ordering Information **Example:** LBD-10-NC-CW-C

Series	Output Power	Output Voltage (DC)	Battery Chemistry	Output Configuration	Connection Type
LBD	5 = 5W	BLANK = 20-50	NC = NiCad	CW = Constant Power	C = Conduit
	7 = 7W	MV[1] = 50-110			
	10 = 10W	HV[1] = 100-220			
	13 = 13W				
	17 = 17W				

Notes

[1] Available in 17W only, lead times apply

Electrical Information

Model	Input Current (A)	Input Power (W)
LBD-5W	0.061	3.9
LBD-7W	0.065	4.8
LBD-10W	0.087	5.7
LBD-13W	0.110	6.9
LBD-17W	0.110	7.9

LBD 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 LBD Series model. It is ultimately the responsibility of the Designer/Specifier to ensure that the installed system delivers code-compliant path of egress illumination.

Determine Electrical Compatibility

1. Verify that the luminaire LED driver, where applicable, is Class 2 compliant.
2. Verify that the luminaire LED lamp(s) have an operating voltage that is within the output voltage of the LBD. This can also be confirmed by the existing driver output specifications, which are normally marked or labled.
3. Verify that the luminaire LED lamp(s) have a total power rating (Watts) equal to, or greater than, the emergency power rating of the LBD model under consideration. This can also be confirmed by the existing driver output specifications which are normally marked or labeled.
4. Multiply the luminaire Lumens per Watt by emergency output power of the LBD model under consideration to calculate the emergency output lumens expected in battery backup mode.

Wiring Diagram

NOTE: Fixture wires must be accessible.