Thomas Research Products

Intelligent Device ECOSYSTEM dynamic

PRELIMINARY

LBU10-P Emergency LED Driver

Solid-state charger with automatic transfer circuit
maintains battery at full charge while utility power is present.
When power is interrupted, the Emergency LED Driver activates and switches to emergency mode, keeping the LED load illuminated for 90 minutes (minimum).
When power is restored, the unit returns to charging mode.

- Provides 90 minutes of emergency lighting
- Use with normally-on, normally-off or switched fixtures
- Constant 10W design operates an LED load ≥10W
- Auto-sensing output voltage full Vf range (20-56V)
- UL Dry & Damp Location Rated, Class 2 output
- 2-wire input simplifies wiring
- Use in conjunction with TRP's LED drivers
- Long-life, maintenance-free Nickel-Cadmium battery
- Electronic AC lockout and low voltage disconnect (LVD) circuit
- UL924 Classified for both factory and field installation
- Suitable for use in sealed or gasketed fixtures
- Designed to meet California's Title 20 Energy Efficiency requirements
- Includes 2-wire test switch and LED charging indicator
- Remote test switch/charge indicator module, available separately
- 5 year warranty

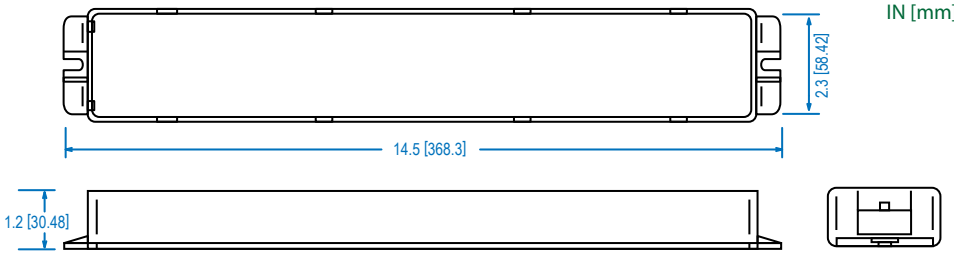
Part:	93057524
Model:	LBU10-P
Output Power:	10W (constant)
Input Power:	4.2 W (Max)
Input Voltage Range:	120-277 Vac Universal Input
Frequency:	60 Hz
Output Voltage:	20-56 VDC (Class 2 Compliant)
Output Current:	0.50 A @ 20Vdc; 0.17 Amps @ 56Vdc
Emergency Operation:	90 Minutes (Min)
Recharge Time:	24 Hrs (Max)
Battery:	28.8W/hr, 9.6V, 200mA charging current
Battery Type:	High temperature Nickel-Cadmium

Estimate the egress lighting illumination levels as follows:

Lumens In Emergency Mode = Lumens Per Watt of Fixture times the Output Power of Chosen Product

(LUMENS) = (LM/W) * W

IN [mm]



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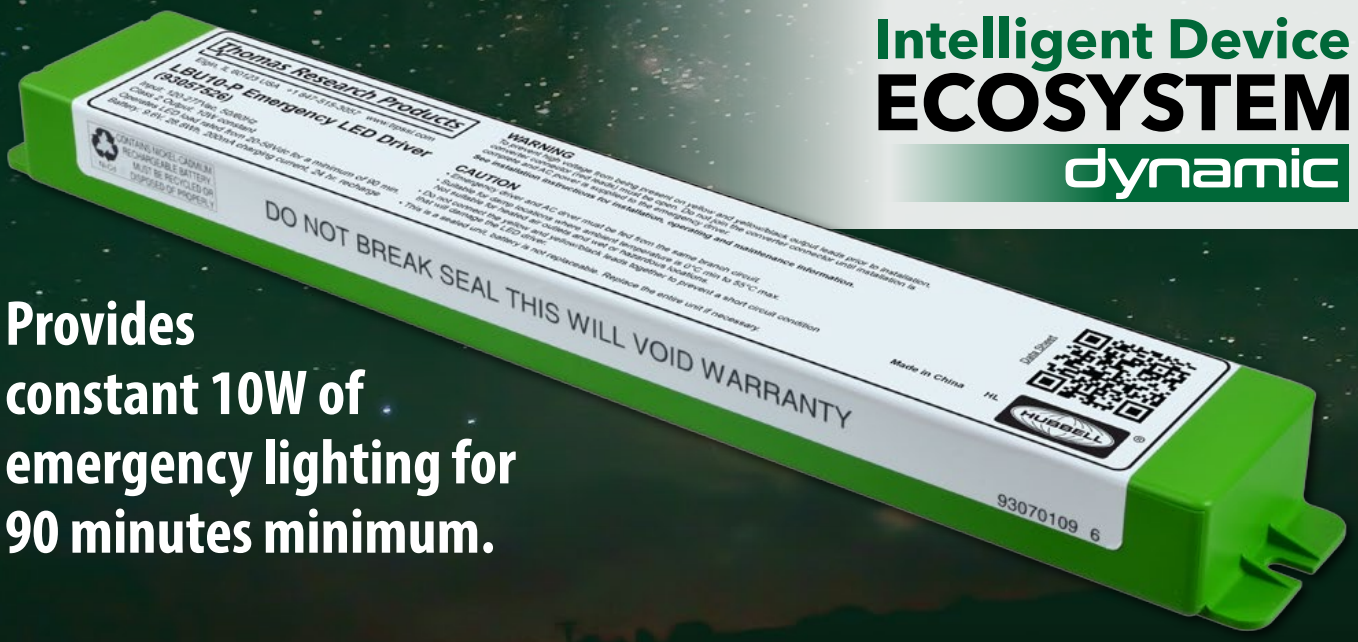
EMERGENCY LED DRIVER TO BACK UP THE INTELLIGENT ECOSYSTEM



Intelligent Device ECOSYSTEM dynamic

Provides constant 10W of emergency lighting for 90 minutes minimum.

- Long-life, maintenance-free Nickel-Cadmium battery
- Universal 120-277V input
- UL924 Classified for both factory and field installation
- 2-wire input simplifies wiring
- Includes 2-wire test switch and LED charging indicator
- Suitable for use in sealed or gasketed fixtures
- Class 2 Output
- Designed to meet CA Title 20 Energy Efficiency requirements
- Perfect for use with TRP's high performance LED drivers

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