

SYLVANIA

Field-installable emergency battery back-up

Application

This EMBB provides 90 minutes of extra lighting in an event of power loss/blackout.

Benefits and Features

- Functions with Type AB when operating as Type B mode, Type B and Type C tubes as well as luminaires
- Output power of 21W max.
- 0-10V Dim
- 90 minutes operation in emergency mode
- UL Listed #E505771
- Re-charge time of 24 hours
- LED test button & indicator light

Electrical

- LiFePO₄ Battery – 16V 3.3 Ah 52.8Wh
- Max. output power: 21 watts
- Max. output current: 120mA

Rated Life

- 50,000 hours (L₇₀)

Warranty

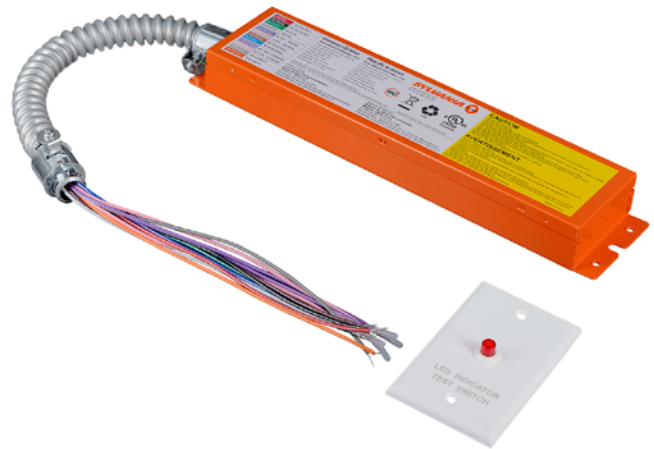
- 5-year
- NLB Trusted Warranty Program

Ambient Operating Range

- 32°F to 140°F (0°C to 60°C)
- Max. casing temp. T_c: 85°C

Product Ratings

- UL listed for dry/damp locations
- IP 20 protection



Unique selling points

- Supports Type AB when operating on Type B mode
- Supports Type B and C tubes as well as LUM
- Quality of battery pack

Suitable for

- LED Tubes/Lamps without 0-10V dimming wires:
 - One LED Tube/Lamp rated below 21W, or
 - Two LED Tubes/Lamps, each rated below 10W
- LED luminaire with 0–10V dimming wires, 80W max.
 - Downlight
 - Troffers
 - Linear
 - Panels

Additional Specifications

- Maintenance: Please turn off the main power every three months, to let the battery operate a charging/discharging circle.
 - This will help make battery sustain a longer lifetime.
- Please check the emergency function with the push test button.
 - Battery capacity is <30% charged when factory delivers goods.



Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

EMBB	2A	21W	UNV	DIM	DC
Emergency Battery Back-up	Max. input current 2A = 120mA	Max. wattage 21W = 21 watts	Voltage UNV = 120-277	Dimmable DIM = 0-10V	DC = Direct current

Ordering Information

Item Number	Ordering Abbreviation	Power (W)	Voltage (V)	Dimming
75740	EMBB2A21WUNVDIMDC	21	120-277	0-10V

Electrical Specifications

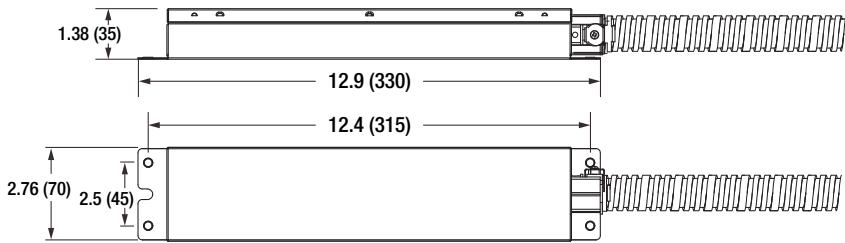
Input Characteristics				Output Characteristics		
Family	Input Voltage	Power Factor	Max. Power	Max. Current	Max. Output Power	Output Voltage
21W	100-277V _{ac} 50/60Hz	0.6 @100V _{ac}	8W	120mA	21W	150-200V _{dc}

Why is the type of battery important?

1. Memory Effect	LiFePO ₄ suffers none!
2. ECO and Safety	LiFePO ₄ is safe! Not a fire hazard or toxic like others.
3. Life Time (Cycle time)	LiFePO ₄ is (2x) as long.
4. Power Density/Compactness	LiFePO ₄ has a high power density, yet compact battery.
5. Charging Speed	LiFePO ₄ has a high charging speed.

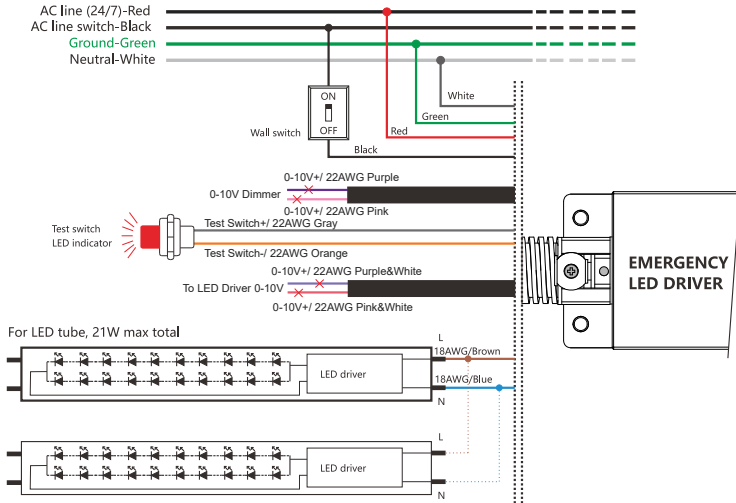
Physical Information

Description	Length in (mm)	Width in (mm)	Height in (mm)	Weight (lbs)	SKU	CS	Layer	Pallet Count	UPC
EMBB2A21WUNVDIMDC	12.9 (330)	2.95 (75)	1.37 (35)	4.4	1	6	60	540	046135757402



Wiring Diagrams

LED Tubes/Lamps without 0–10V dimming wires



Suitable for LED Tubes/Lamps without 0–10V dimming wires:

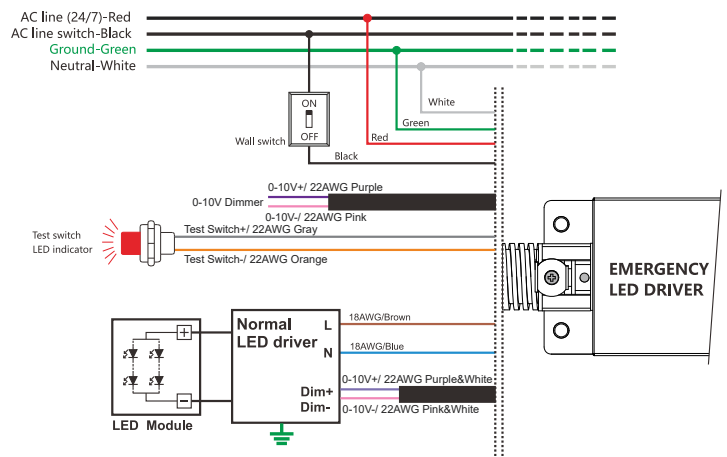
This EMBB can be connected to either:

- One LED Tube/Lamp rated below 21W, or
- Two LED Tubes/Lamps, each rated below 10W.

Note:

- If a 0–10V dimmer is used with this EMBB, a UL924 shunt relay must be installed to bypass the dimmer during a power outage in order to comply with building safety codes.
- Contains a rechargeable battery that must be recycled or disposed of properly.

LED Luminaire with 0–10V dimming wires



Suitable for LED luminaire with 0–10V dimming wires:

This EMBB can be connected to one LED luminaire rated 80W or below.

Note:

- If a 0–10V dimmer is used with this EMBB, a UL924 shunt relay must be installed to bypass the dimmer during a power outage in order to comply with building safety codes.
- Contains a rechargeable battery that must be recycled or disposed of properly.

LEDVANCE LLC

181 Ballardvale Street, Suite 203

Wilmington, MA 01887 USA

Phone 1-800-LIGHTBULB (1-800-544-4828)

www.ledvanceUS.com

SYLVANIA and LEDVANCE are registered trademarks.
All other trademarks are those of their respective owners.
Licensee of product trademark SYLVANIA in general lighting.
Specifications subject to change without notice.



SCAN TO FOLLOW US
ON SOCIAL MEDIA