

# 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 B and Type C LED tubes as well as luminaires. Ref: latest compatibility list
- 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

- LiFePO<sub>4</sub> Battery – 16V 3.3 Ah 52.8Wh
- Max. output power: 21 Watts
- Max. output current: 120mA

### Rated Life

- 50,000 hours (L<sub>70</sub>)

### Warranty

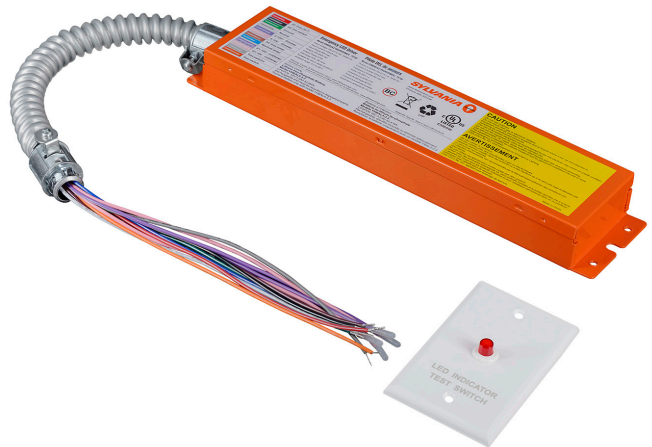
- 5-year
- NLB Trusted Warranty Program

### Ambient Operating Range

- 32°F to 140°F (0°C to 60°C)
- Max. casing temp. T<sub>c</sub>: 85°C

### Product Ratings

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



### Unique selling points

- Supports Type B and C tubes as well as LUM
- Quality of battery pack

### Suitable for

- LED Tube
  - One LED Tube less or equal to 21W
  - Two LED Tubes less or equal 10W/tube
  - No need to connect dimming lines of input and output sides
- LUM- 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.



Specification Data

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

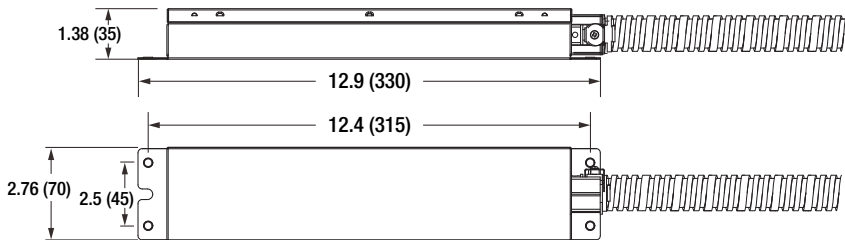
Input Characteristics				Output Characteristics		
Family	Input Voltage	Power Factor	Max. Power	Max. Current	Max. Output Power	Output Voltage
21W	100-277Vac 50/60Hz	0.6 @100Vac	8W	120mA	21W	150-200V DC

Why is the type of battery important?

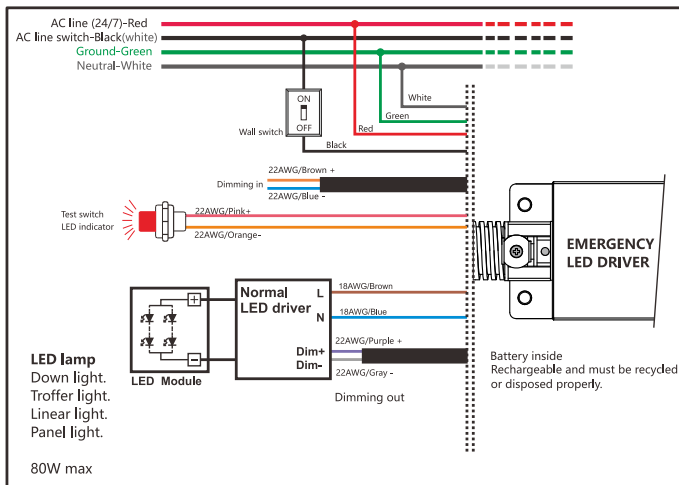
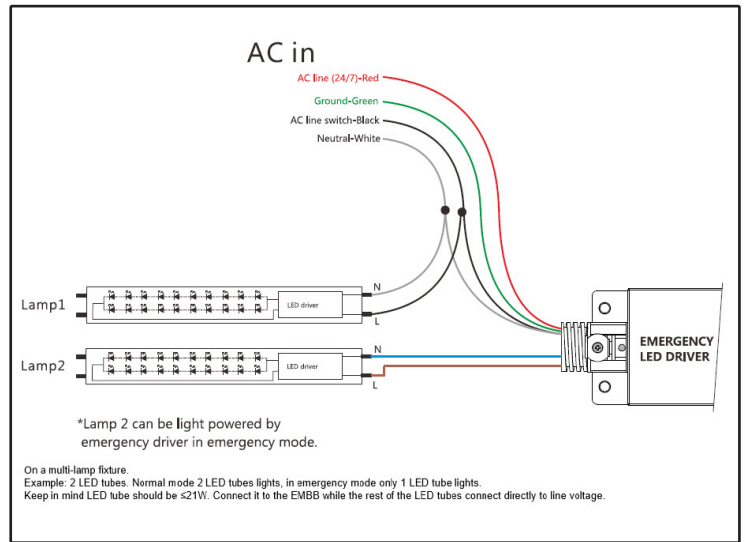
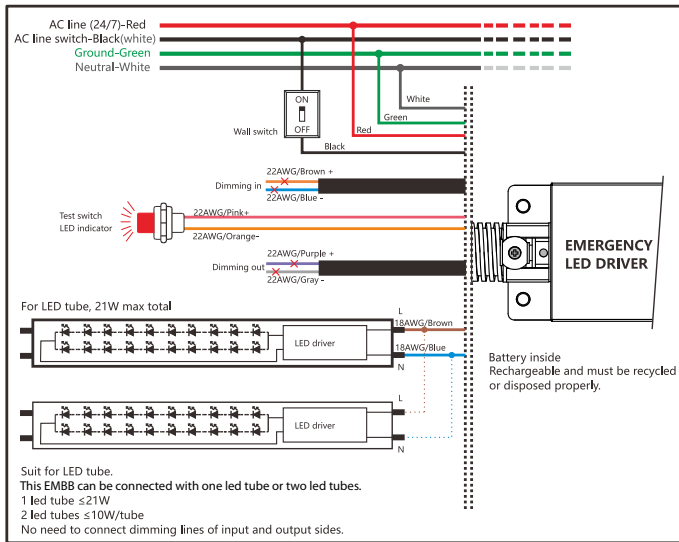
1. Memory Effect	LiFePO4 suffers none!
2. ECO and Safety	LiFePO4 is safe! Not a fire hazard or toxic like others
3. Life Time (Cycle time)	LiFePO4 is (2x) as long.
4. Power Density/Compactness	LiFePO4 has a High Power Density, yet Compact battery.
5. Charging Speed	LiFePO4 has a high charging speed

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



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