Remote Emergency Battery Backup Unit with Integrated Driver (R-EBBU)

LED DRIVERS AND POWER SUPPLIES

100-277V

PROJECT INFORMATION

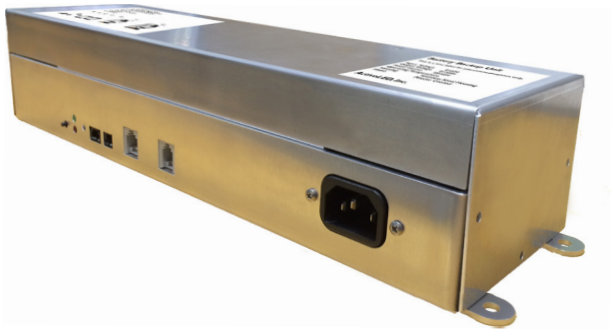
Project Name

Catalog No. Date

DESCRIPTION

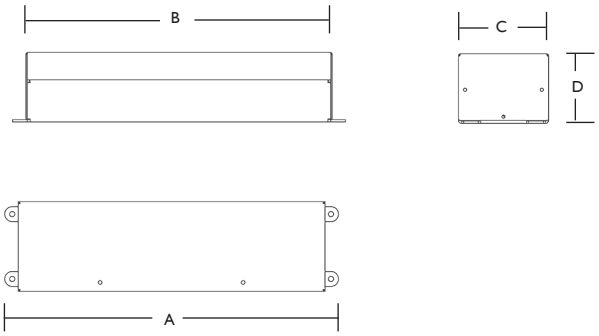
The ActiveLED® Remote Emergency Battery Backup Unit with Integrated Driver (R-EBBU) is designed to provide emergency power to an LED lighting fixture in case of a power outage. In such an event, the attached LED fixture automatically adjusts its output level to an emergency power-saving mode to ensure operation up to 8 hours. When the AC power is restored to the R-EBBU, it will charge the emergency battery and thereafter maintain the battery at its maximum capacity.

The R-EBBU includes a 30-Watt ActiveLED Driver, 48 Volt DC Battery Pack (Lithium-Iron Phosphate) and Battery Charger that monitors and charges the battery as required.



R-EBBU

DIMENSIONS



A	B	C	D
14”	12.87”	3.75”	2.90”
35.56cm	32.69cm	9.52cm	7.36cm

LED STATUS INDICATOR

- Battery is in operation and powering attached fixture.
- Battery condition is too low to power the attached fixture.
- Battery is being charged.
- Test button pushed verifying BBU operation.
- Battery under 32V or disconnected.
- Over voltage condition.
- Temperature out of normal operating range.
- All systems normal, battery charged.

FEATURES

- Unit will power an ActiveLED® Lighting Fixture without a power source for up to 8 hours at emergency power-saving mode.
- Current Source - Unit will work as a current source for any manufacturer’s LED fixture.
- LED Status Indicator - Displays the current status of the R-EBBU.
- Push-To Test Battery Button - A button on the device allows for testing to ensure proper emergency mode operation.
- Battery condition is managed for the maximum effective life by preventing, under-charging and over-charging battery conditions.
- Solid State Lithium Iron Phosphate (LiFePo4) Batteries - Will still have 85% capacity after 5,000 cycles; the equivalent of 13 years use.
- 10 Year Warranty. See page 2 for additional warranty information.

ActiveLED®
Energy Efficient Lighting and Controls

GENERAL SPECIFICATIONS

Input Voltage	Auto-Sensing 100-277 Volts AC, 50/60 Hz
Input Power	32 Watts max.
Power Factor	> 0.95 (at ~100-277 Volts)
THD	<20% (typical 9.9%) at full load
Output Current	Constant DC 90-900mA depending on option.
Output Voltage	DC 7V min. - 48V max.
Output Power	30W max.
Standby Power	(Lights Off) 0.5 W
Operating Temperature	-4° F to 140° F (-20° C to 60° C)
Battery Pack Details	48VDC 1.35 Ah Lithium-Iron Phosphate (LiFePO4) deep-cycle.
Battery Endurance	At least eight hours from a fully-charged state based on a 6 Watt fixture.
Connection to LED Fixture	18" 2-Conductor 22 AWG low-voltage cable, suitable for indoors use to connect the R-EBBU to the LED module. (Additional lengths available upon request.)
Prerequisite	LED fixture without a power supply / driver.
Suitability	For indoor installation. If installed outdoors, will require weatherproof cable 07-06180002 and suitable NEMA weatherproof enclosure.
Dimensions	14" (L) x 3.75" (W) x 2.90" (H) (35.56 x 9.52 x 7.36 cm)
Weight	4 lbs, 1.8 Kg

WARRANTY AND CERTIFICATIONS

Ten (10) Year Warranty- Remote Emergency Battery Backup Unit shall conform to its published specifications under normal usage and operating conditions

ORDERING INFORMATION

Example: R-EBBU-U-LIF-32180

R-EBBU	U	LIF	32	180
Unit	**Driver**	**Battery**	**Watt**	**Current**
R-EBBU Remote Emergency Battery Backup Unit	**U** Universal Driver 100-277 VAC, 50/60 Hz	**LIF** Lithium-Iron Phosphate	**32** 32 Watt Max	**180** 180mA **X** Custom Choice 100mA...900mA

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