LITETRONICS®

EMERGENCY BATTERY BACKUP
for Litetronics Smart fixtures and retrofits

DESCRIPTION

This 10W battery backup unit delivers emergency power to a wide range of Litetronics Smart LED panels, troffers and retrofits. In the event of a power outage, it supplies the connected fixture with 90-minutes of light, enabling sufficient visibility for occupants to safely exit the space. The EBB unit will also temporarily override any sensor functionality, ensuring the emergency light will stay on for a full 90-minutes.

The EB10N cycles through self-testing on a monthly basis, ensuring it's always ready for action. In addition, an indicator light module displays color-coded lights that show the current operational status of the unit. When used with our range of grid ceiling solutions, the EBCM indicator module can be recessed in an adjacent panel. When used with drywall or open ceiling applications, our EBAM can be directly attached to the side of the fixture via adhesive. For manual testing or demo purposes, a remote control is also available.

EB10N

FEATURES

- Provides 90 minutes of emergency light during power loss
- Monthly/annual self-testing
- Manual testing via remote control (optional)
- Indicator module mounting compatibility with grid ceiling, drywall, or open ceiling applications
- ETL approved for damp locations
- 50,000-hour rated life
- 5-year warranty
- 18" of flexible conduit included

EBCM   EBAM   TR01

APPLICATIONS

- Emergency battery backup

CERTIFICATIONS

ETL Listed US   FC Federal Communications Commission USA   RoHS Compliant

SPECIFICATIONS

Life (@L70): 50,000 hours

Warranty: 5 years

PERFORMANCE

Operating temp: 32°F to 122°F (0°C to 50°C)

Efficacy (LPW): N/A

CRI: N/A

ELECTRICAL

Input voltage: 120-277V

Output Voltage: 42Vdc

Output Power: 10 Watts

Input frequency: 50/60Hz

PF: N/A

THD: N/A

Surge protection: N/A

Dimming: N/A

Minimum dimming: N/A

Aux. Voltage: N/A

Driver CL: N/A

Whip/Cord: 18" MC cable whip

Sensor: N/A

OPTICAL

Beam: N/A

Lens: N/A

UGR: N/A

PHYSICAL

Operation Time: 90 Minutes

Recharge Time: 24 hours

Weight: 1.76 lbs.

INDUSTRY STANDARDS/RATINGS

IP: N/A

IK: N/A

Location: Damp

IC: N/A

UL/ETL: ETL

FCC: Yes
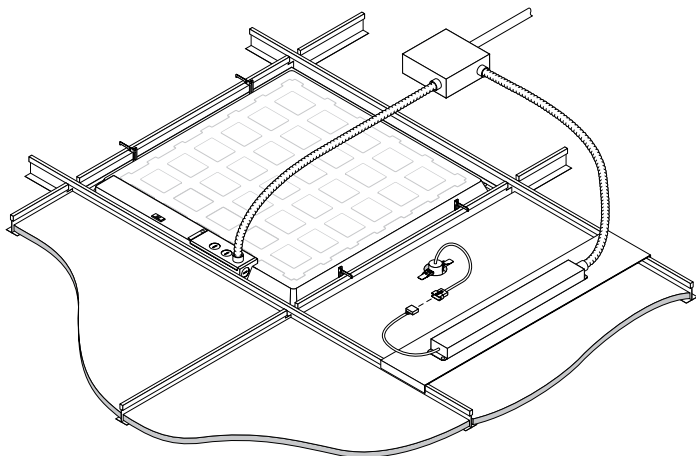
RoHS: Yes

UL924 Compliance: Yes

DIMENSIONS / WEIGHT

	LENGTH	WIDTH	HEIGHT	WEIGHT
EB10N	15.88"	1.77"	0.965"	1.76 lbs
Conduit	18"			

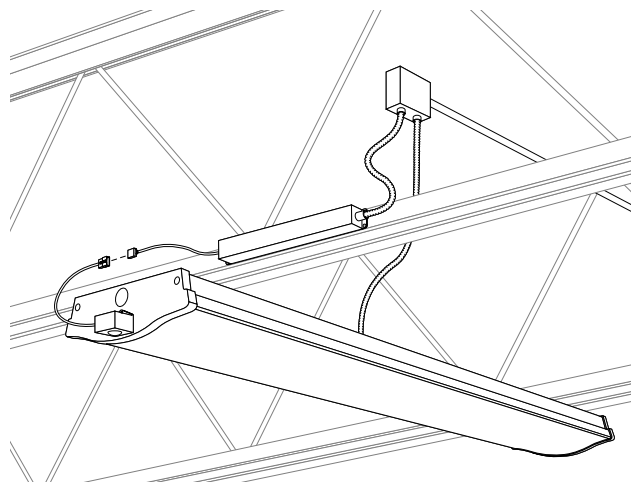## INDICATOR MODULE MOUNTING OPTIONS

CEILING MOUNTED

In grid ceiling applications, the EB10N is mounted close to the driver and the indicator module is recessed in an adjacent panel where it will display the unit's current status of operation.

ADHESIVE MOUNTED

In drywall or open ceiling applications, the EB10N is mounted close to the driver and the indicator module is attached via adhesive to the side of the fixture, where it will display the unit's current status of operation.

Note: Grid tray not Litetronics product but for illustration only.

ORDERING

Each EB10N unit must be ordered with one of the two indicator modules, which display the unit's current status of operation. See the usage guide below to choose the best option for your space.

| EB10N | EBCM | EBAM | TR01 |

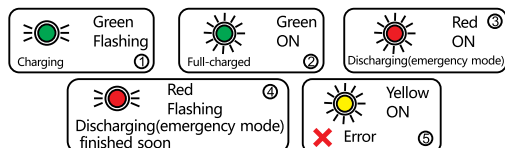| MODEL #	DESCRIPTION	WATTS	VOLTS	OPERATING TIME
EB10N	10W Emergency Battery Backup for smart fixtures	10	120-277	90 minutes

MODEL #	DESCRIPTION	USAGE
EBCM	Ceiling-Mounted Indicator Module	This Ceiling-Mounted Indicator Module (EBCM) can be used with one of Litetronics' emergency battery backup products (EB10, EB10N or EB20) to provide a visual confirmation of the operational status of the EBB unit. This module is typically used in grid ceiling applications where it is recess mounted in a panel adjacent to the fixture.
EBAM	Adhesive-Mounted Indicator Module	This Adhesive-Mounted Indicator Module (EBAM) must be used with one of Litetronics' emergency battery backup products (EB10, EB10N or EB20) to provide a visual confirmation of the operational status of the EBB unit. This module is typically used in open ceiling or drywall ceiling applications where the module is applied to the side of the fixture, mounting kit, or a nearby structural element.
TR01	Test remote for integrated EBB	Test and demo EBB functionality. One remote will control all EBB equipped units. Only one remote required per area, building or site as necessary.

OPERATION

- Fixtures will operate normally when power is available. When an outage occurs, the fixture will switch to battery backup, delivering power to the fixture for up to 90 minutes.

- In emergency mode, the EB10N unit will bypass the fixtures sensor functionality, disabling occupancy sensing and ensuring the light will stay on for the full 90 minutes.

- If the EB10N battery runs out, the fixture will turn off until power is restored. Once restored, the EB10N battery will begin charging.

- Each indicator module option will display the current status of the unit; a green light indicates a full charge and a red light indicates the unit is currently charging.

- The EB10N includes automatic monthly and annual self-testing functionality. If a problem is detected, a yellow light will appear.

- Testing can also be done via remote control. Press the TEST button on the remote and the fixture will enter into emergency operation for three seconds, then resume normal operation.

INDICATOR MODULE LIGHT REFERENCE GUIDE

- Green/flashing = Charging
- Green/solid on = Fully charged
- Red/solid on = Discharging/emergency mode
- Red/flashing = Discharging with limited battery life remaining
- Yellow/solid on = Error. Contact Litetronics for troubleshooting

TESTING

- The fixture includes an automatic monthly self-testing function, which operates at 30-day intervals for 5 minutes and 360-day intervals for 90 minutes. During testing, the red indicator light will remain on.

- Additional testing and demo functionality is available via remote control, part # TR01 (sold separately).

Green Flashing ① Charging	Green ON ② Full-charged	Red ③ ON Discharging(emergency mode)
Red ④ Flashing Discharging(emergency mode) finished soon	Yellow ON ✖ Error ⑤	

COMPATIBILITY LIST

The EB10N is compatible with the following Litetronics fixtures and retrofits.

LED LIGHT PANEL RETROFIT	LED VOLUMETRIC TROFFER
PRT140N	VLT235N
PRT1N	VLT2N
PRT450N	
LED LIGHT PANEL	
PT140N	
PT1N	
PT235N	

UL924 STATEMENT OF COMPLIANCE AND COMPATIBILITY

PLEASE NOTE: When used with a sensor-equipped fixture from the Approved List of Litetronics fixtures below, the sensor will be bypassed and disabled by the EB10N when wired correctly per the installation instructions and cause the fixture to remain illuminated during periods of vacancy when the compatible fixture is powered by the EB10N power source. As such, EB10N is UL924 compliant.

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