



SBC Series

UFO LED High Bay Battery Backup



SBC

UFO LED High Bay Factory-Assembly Battery Backup



Industrial LED UFO high bay lighting fixture battery backup can provide 90~180 minutes of runtime for backup lighting when the power goes out. In addition, these UFO LED high bay lights feature smaller sizes with more efficient than the traditional high bay lights. Moreover, high light efficacy 140 LPW of high bay lights can deliver efficient, uniform for commercial, industrial, retail, and plant, etc.

UFO LED High Bay Light Battery Backup

Mount Ring

SUS304 material

Mount Bracket

Junction Box

Bolt

SUS304 material

Emergency Switch

Std. push-button for checking if it can work in emergency mode. Integrated with indicator lamp.

Intelligent Battery

Switch to emergency mode automatically when power is off to keep safe in time. Overcharge protection, over-discharge protection, short-circuit protection

Optional Motion Sensor

- ON/OFF
- Bi-lever
- Dusk-Dawn

LED Driver

- UL Listed
- 100-277vac
- 1-10VDC Dimming available

LED Chip

LM 80 High efficacy of SMD LED chips. High efficacy LED boards with dual copper cladding for thermal dissipation

Aluminum Case

- Die-casting aluminum alloy
- waterproof IP 65 rated
- Powder coating

Lens

Unique polycarbonate lens distribution design 120° beam angle



120°

Optional Reflector

- 60°/90° PMMA
- 60°/90° aluminum



60°

90°

Remote Controller



UFO LED High Bay Battery Backup

UL 924 | Factory Assem. | IP65 Rated

Catalog#	Type
Comment	
Project	Date

DESCRIPTION

UFO LED High bay lights battery backup not only can provide excellent lighting efficacy for regular illumination, but also offer reliable backup lighting in an emergency. These emergency lights are made to last for a long time with their quality construction and durable materials such as tempered glass or polycarbonate lenses and aluminum housings. Our emergency lights are available in your choice of battery to accommodate your space with ease and affordability.

CONSTRUCTION & MATERIALS

- ◆ High-duty die-casting aluminum alloy housing, fully sealed to be dirt and bug proof
- ◆ Impact-proof PC lens
- ◆ IP 66 rating waterproof protection
- ◆ Black polyester powder-coated finish (White finish available).
- ◆ Emergency mode: Test switch + Indicator lamp
- ◆ Stainless steel protective rope
- ◆ Factory Assembly

EMERGENCY BACKUP

- ◆ UL 924 & CEC title 20 compliant
- ◆ Charge time: 24 hrs
- ◆ Emergency time: 90~180 minutes
- ◆ Charge cycle: >500 times
- ◆ Work Temp. 32°F~+122°F (0°C~50°C). Especial temperature will be consulted.*

MOUNTING AND WIRING

- ◆ Pendant mount

ENVIRONMENTAL SYSTEM

- ◆ Outdoor wet/damp location

ELECTRICAL SYSTEM

- ◆ Input voltage 100-277VAC 50/60Hz
- ◆ Optional 120~347VAC 50/60Hz
- ◆ ETL/cETL, CE/RoHS.

OPTICAL SYSTEM

- ◆ 140 lm/w output efficacy
- ◆ Color temperature: 3000K, 4000K, 5000K and 5700K. Other color temperature available for special order, consult factory for lead time.
- ◆ Std. 120° beam angle (60°/90° clear reflector)

LIGHTING CONTROL

- ◆ Standard 0-10vdc dimming
- ◆ Optional Remote controller
- ◆ Microwave motion sensor available

WARRANTY

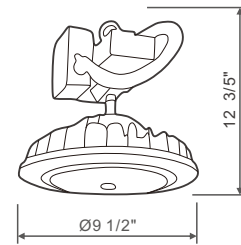
- ◆ 5 Years

STANDARD

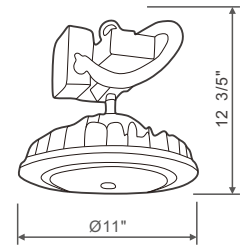
- ◆ EN61347-1, EN61347-2-13, EN60598-2-1, EN60598-1
- ◆ UL 924, UL 1598, CAN/CSA -C.22.2 NO. 250.0,



DIMENSION



LT-UBA280B-80W-EMA
LT-UBA320B-100W-EMA
LT-UBA320B-150W-EMA

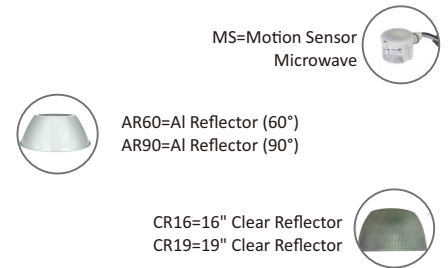


LT-UBA400B-200W-EMA
LT-UBA400B-240W-EMA

DATA SHEET

Model#	LT-SBC-80W-EM LT-SBC-100W-EM	LT-SBC-120W-EM LT-SBC-150W-EM	LT-SBC-200W-EM	LT-SBC-250W-EM
Rated Power	80W 100W	120W 150W	200W	250W
Output Efficacy	140 LPW	140 LPW	140 LPW	140 LPW
CRI	>80	>80	>80	>80
Beam Angle	120°	120°	120°	120°
Dimension (DXH)	Ø240X320mm	Ø240X320 mm	Ø280X320mm	Ø280X320mm
Battery	Li-ion/Ni-MH	Li-ion/Ni-MH	Li-ion/Ni-MH	Li-ion/Ni-MH
Emergency Battery	20W 30W 40W	20W 30W 40W	30W 40W 60W	40 W 60W
Emergency Output	3,500~7,200 lumens	3,500~7,200 lumens	5,400~10,800 lumens	7,200~10,800 lumens
L70 Life	>50,000hrs	>50,000hrs	>50,000hrs	>50,000hrs
OperationTemp.	32°F~ + 122°F (0°C~50°C)			
Certificate	ETL/cETL, CE/RoHS			

ACCESSORIES



ORDER INFORMATION

Sample Number: LT-SBC-150W-27K-EMA-Std.

Com.	Series	Wattage	CCT	Voltage	Control Mode	Duration (EMA)
LT	SBC	80W 100W 120W 150W 160W 200W 250W	27K=2700K 30K=3000K 40K=4000K 50K=5000K 57K=5700K 65K=6500K	S 100-277VAC M 120-347VAC	DA= DALI Dimming PS= Photocell MS= Motion sensor EM= Emergency Kit (Factory-Assembly) EMH=Emergency Kit (Field-Assembly) CR= Clear Reflector	Std.=90 Min. 2H =120 Min. 3H =180 Min.

UFO LED High Bay Battery Backup

UL 924 | Factory Assem. | IP65 Rated

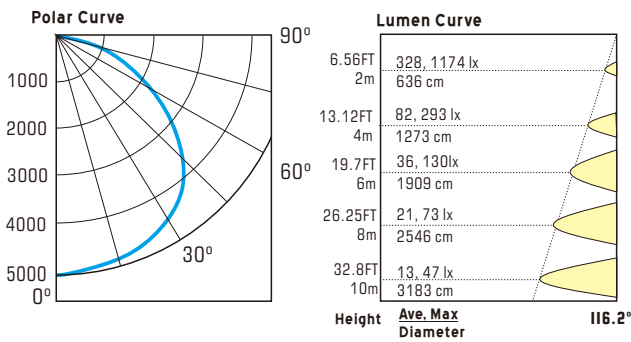
Catalog#	Type
Comment	
Project	Date

PACKAGE

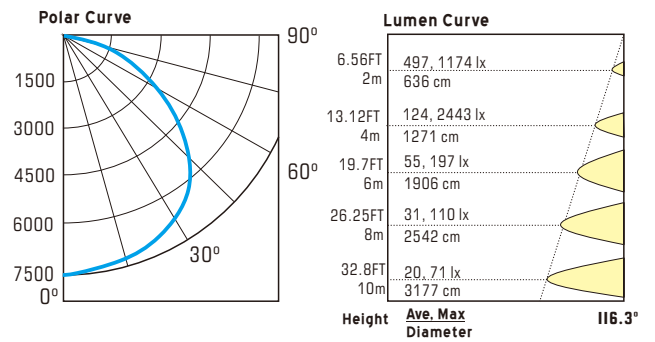
NO.	Model#	Carton Size (LXWXH)	G. W. / CTN	QTY/CTN
1	LT-SBC-100W-EM, LT-SBC-150W-EM	33x33x35 cm	5.5 Kg	1pc
2	LT-SBC-200W-EM, LT-SBC-250W-EM	37x37x35 cm	7.5 Kg	1pc

PHOTOMETRICS

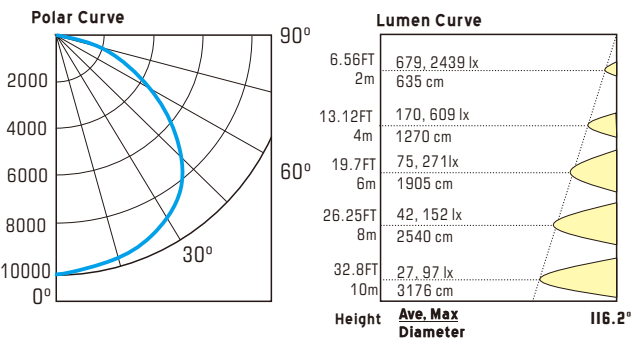
MODEL# LT-SBC-100W 98W 13,442 lm



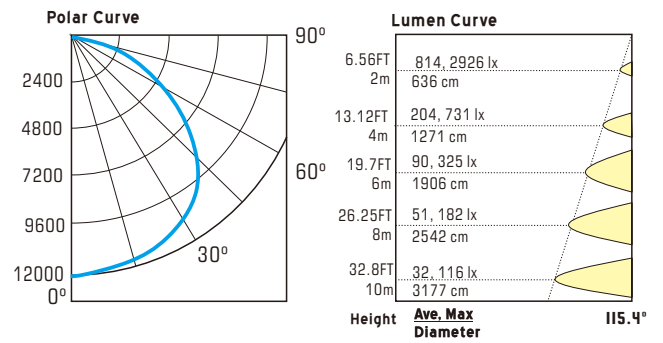
MODEL# LT-SBC-150W 144.4W 20,485.7 lm



MODEL# LT-SBC-200W 199W 28,009 lm



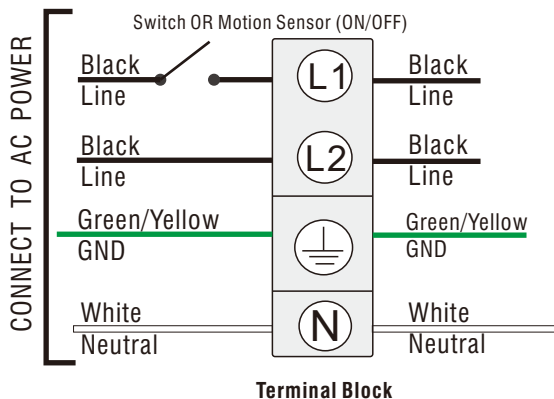
MODEL# LT-SBC-250W 238.4W 31,470 lm



INSTALLATION GUIDE

This emergency UFO led high bay light battery backup is easily installed to the ceiling with a built-in ring. No hard-wiring is needed. A lot of time and labor costs will be saved. Mount height is for installation reference.

Emergency Wire Diagram (Switch)



Recommended Height

- 18'-20'**
LT-SBC-240W (31,470 LM)
Replace 1000W MH
- 16'-18'**
LT-SBC-200W (28,009 LM)
Replace 600W MH
- 14'-16'**
LT-SBC-150W (20,485 LM)
Replace 400W MH
- 10'-14'**
LT-SBC-100W (13,442 LM)
Replace 250W MH



Catalog#	Type
Comment	
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OPTIONAL MOTION SENSOR

Motion Sensor is a moving object sensor that can detect range of 360° and its working frequency is 5.8GHz. The advantage is stable working state (stable working temperature: -40°C ~ +70°C), adopts a microwave sensor (high-frequency output < 0.2mW), so that it is safe and performs better than infrared sensor.

Features

- Fully adjustable high and low dimmed light levels from 0-10VDC
- Designed for LED fixtures; rated for extreme temperatures and up to 200,000 on/off cycles
- Adjustable via handheld wireless configuration tool
- Adjustable time delay and cut off delay from 10 seconds to 60 minutes
- Provides line voltage On/Off switching and 0-1 0VDC dimming control
- Works with ballasts or LED drivers
- Adjustable ramp up and fade down times
- High inrush stability zero crossing circuitry for reliable, long-life operation catching relay is durable for all load

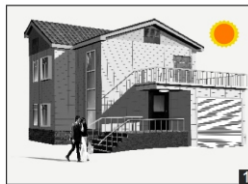
Daylight Harvest Function

This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100% --> dimmed light (natural light is insufficient) --> off; And 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.

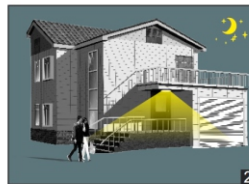


ON-OFF MODE

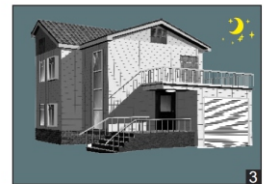
The microwave sensor to achieve tri-level dimming control, for same areas that require a light change notice before switch off.



With sufficient ambient light, the sensor does not switch on the lamp.



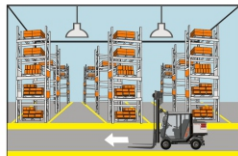
With insufficient ambient light, the sensor switches on the lamp when motion is detected.



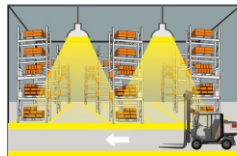
After hold time, the lamp gradually dims down if no motion detected.

3-STEP DIMMING MODE

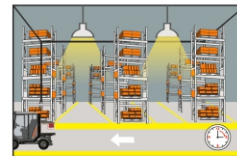
It offers 3 levels of the light Control: 100%-dimming light (0, 10%, 30%, 50%) --off; and 2 periods of selectable waiting time: motion hold-time and stand-by time. Selectable daylight threshold and choice of detection area.



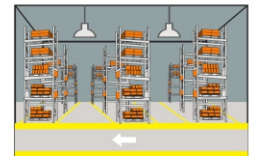
With sufficient ambient light, the sensor does not switch on the lamp.



With insufficient ambient light, the sensor switches on the lamp when motion is detected.



After hold time, the sensor dims the lamp at a low light level if no new motion trigger.



After stand-by period, the sensor switches off the lamp if no motion is detected in its detection zone.

OPTIONAL EMH BATTERY (Field-Assembly)

When the AC power goes out, the emergency driver detects the AC power outage and automatically switch to the working emergency mode. The green LED light off. When the AC power is restored, the emergency driver backs to AC power working and starts re-charging, the green LED light on.

FEATURE

- ◆ Meet most of safety standards for lighting
- ◆ Battery protections: over-charge protection over-discharge protection, short-circuit protection
- ◆ Standard CSA C22.2 NO.141, UL924
- ◆ External Li-ion, LiFePO4 or Ni-MH battery
- ◆ The batteries Meet 500 cycles of standard CH and standard DCH
- ◆ Indicator shows a variety working modes
- ◆ RoHS compliant
- ◆ Standard 1, 5 hrs (2 hrs, 3hrs for options)

SPECIFICATION

- ◆ Input Voltage: 100-277Vac, 50/60Hz
- ◆ AC Input Current: 200mA max.
- ◆ AC Input Power Rating: 12.0W max.
- ◆ Output Current and Voltage: 170Vac
- ◆ Output Power: 25W /40W
- ◆ Emergency Time: ≥1.5H
- ◆ Full Warranty: 5 Years
- ◆ Test Switch Indicator Light
- ◆ Illuminated Test Switch, indicator Light

