



Type No. _____

Job Name _____

Catalog No. _____



Shown: LEC-361

LEC-361

- **Industrial Duty, Sealed Lead Calcium Battery**
- **Design Life of up to 20 Years**
- **Requires No Regular Exercising**
- **Maintenance-Free**
- **Designed Specifically for Low Rate, Long Duration Emergency Lighting Applications**

Battery Construction

- Extra long-life, sealed lead calcium battery
- Minimum of 58 ampere hour capacity
- Battery casing made of 94 V-O rated polycarbonate
- Plate construction reduces charge resistance and allows the LEC-361 to recharge quickly without damage
- Extra thick electrodes provide longer life and extremely reliable service throughout the product's design life
- Never needs water addition, thus reducing maintenance time and cost
- Ideal for low rate, long duration emergency lighting applications
- Rated for 150-200 discharge cycles

Design Life

- Expected service life of 20 years
- Normal operating temperature range: 60°F (16°C) to 90°F (32°C)

Specification Data

Battery Type	Nominal AH Capacity	Nominal Battery Voltage	# of Positive Plates/Cell
LEC-361	58	6	1

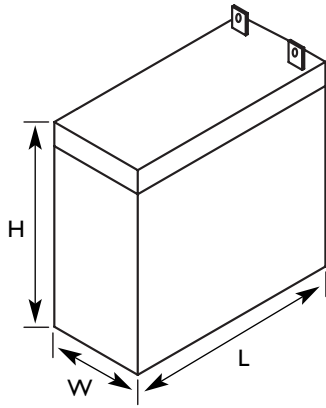
Warranty

- The LEC-361 battery is warranted for 15 years (5 years full, 10 years prorated) with a written, full disclosure warranty

Charging Systems Designed for Use with LEC-361

- Product series F100, B200, L100, and LC85 have been designed to operate specifically with the LEC-361 battery
- LightGuard utilizes a temperature compensated charger to adjust voltage in accordance with changes in the ambient temperature
- Charging systems will maintain the LEC-361 battery at full charge without the need for equalization or battery exercising
- Continuously monitors the LEC-361 battery condition and adjusts the charge voltage, current, and duration to match battery requirements
- Control of charge duration (pulse charge) restricts the amount of internal heat generated by the battery in order to promote full design life requirements
- The charger will restore the LEC-361 battery to a full charge within 12 hours after discharge

Dimensions



	L	W	H	Weight
LEC-361	7.30" (19.0 cm)	4.39" (11.2 cm)	8.06" (20.3 cm)	25 lbs. (11.3 kg)

Dimensions are approximate and subject to change.

LEC-361 Discharge Wattage Capability to 5.25 VDC

30 Min.	1 Hr.	1.5 Hr.	2 Hr.	4 Hr.	8 Hr.	10 Hr.
355.0	205.3	163.0	121.8	71.3	39.7	32.4

Storage/Self Discharge Characteristics to 50% Capacity

TEMP (°F)	TIME (Days)
104	120
86	195
68	360
50	480

Suggested Specification

Furnish and install LightGuard LEC-361 battery. The battery shall be a completely sealed, extra long-life, maintenance-free, lead calcium type. The LEC battery shall never need addition of water or electrolyte, and shall operate completely unattended for up to 20 years. The battery shall consist of three cells for a total of 6V and shall be capable of an 8 hour discharge of 39.7W to 5.25VDC.

The battery casing shall be constructed of polycarbonate. It shall have a permanently sealed cover with self-sealing vents to permit the escape of undue pressure build-up. The plates shall be constructed of calcium tin alloy lead grids and separated by microporous rubber. Fiberglass mats shall be used adjacent to the positive electrode to aid in the reduction of loss of active material during the life of the battery. The LEC-361 shall use one positive plate per cell. The LEC-361 battery shall be warranted for 15 years (5 years full, 10 years prorated) with a written, full disclosure warranty from the manufacturer.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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