

Disaster response type with backup function **LED Security Lights**

[Disaster mitigation / disaster prevention measures] Power consumption is about half that of conventional products to save energy and reduce CO².

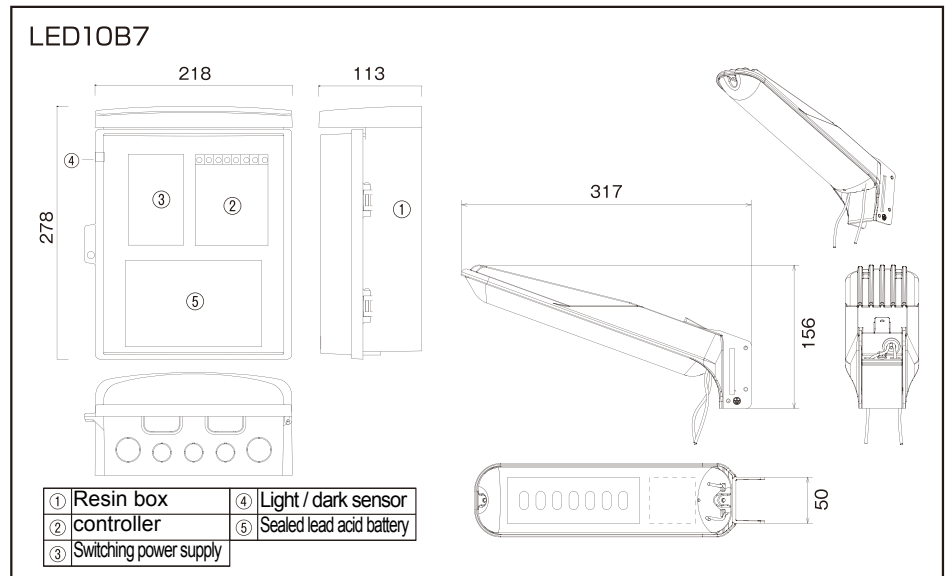
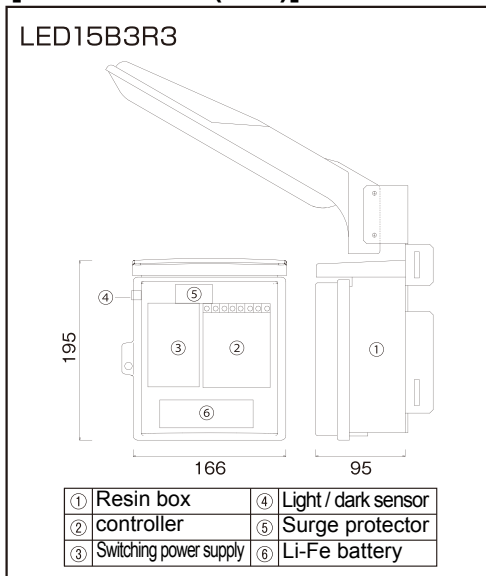
There is little maintenance, and in the event of a power outage, continuous lighting for about 4 hours (10 hours) is possible, leading to disaster countermeasures.

[Electrical characteristics]

	SUN-LED15B3R3	SUN-LED10B7
Power company application input capacity	15VA	19VA
Input voltage	AC100 ~ 240V 50/60Hz	
Maximum input capacity	15VA power factor 99%	19VA power factor 99%
When normally lit (LED)	About 9W	About 9W
LED lighting fixtures	DC12V 1WLED x 7	
Lighting time during a power outage	4 hours (initial value)	10 hours (initial value)
Battery charging time	Approximately 24 hours (at the time of complete discharge)	Approximately 20 hours (at the time of complete discharge)
Battery charging current	0.185A (maximum)	0.47A (maximum)
Switching power supply output voltage	15.8V	
LED lighting fixture input voltage	DC15.8V	
During a power outage	DC11 ~ 13.65V	
Battery flow voltage	DC13.65V	
Overdischarge stop voltage	About DC11.0V	
Daytime power consumption	Less than 1W (circuit voltage)	
Lighting method	Automatic lighting at night by built-in light sensor	
Lightning countermeasures	Induced lightning surge (IEC61000-4-5)	

* AC100V is not generated during a power failure. Battery voltage is supplied to the lamp.

[Dimensions (mm)]



[Notes]

- * This product is an LED lighting fixture with a backup function that uses a storage battery.
- Due to the performance of the storage battery, if it becomes over-discharged, it will be difficult for the storage battery to be charged and it will not recover.
- Please pay attention to the following contents.
- If the battery is not connected normally, the controller will not operate and the LED will not light.
- If the battery is connected in reverse, the controller will be damaged and the fuse will need to be replaced.
- Cannot be used for power circuits that have a turn-off switch such as a timer circuit or automatic flasher.
- If the battery is connected and left unattended when the commercial power supply is not energized, the battery power will be consumed by the self-discharge current to the controller.
- Normal performance may not be obtained if the battery is used for more than the life of the battery. Please replace it at an appropriate time.
- Depending on the installation location, make sure that the sensor is not exposed to strong light or the light of LED lighting equipment. It may cause a malfunction.

[Lighting confirmation method]

- Confirmation of normal lighting**
Under normal wiring conditions, the sensor is shielded from light and the LED is turned on.
- Check lighting in a power failure**
Remove the wiring connector from the switching power supply in the resin box to the control box. The sensor is shielded from light and turned on. Since the voltage of this part is DC15.8V, there is no risk of electric shock.
- * If the box is open, light may enter from the inside and it may not light up.
- Checking the battery charge status**
Under normal conditions, the battery voltage should be within DC 13.65V ± 0.2.



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