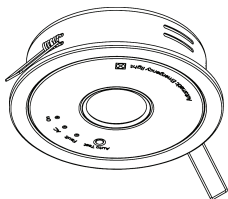




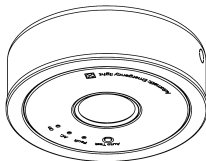
SUNNY
LIGHT FOR LIFE

USER MANUAL

Emergency Downlight | EDLS Series



EDLS09-3R



EDLS09-3C

Installation and Operation

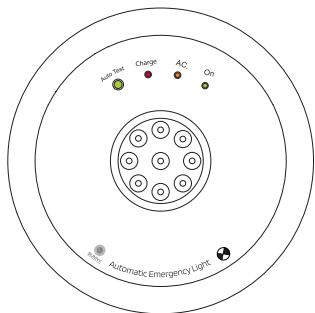
1. Model EDLS09-3R is designed to be embedded in the ceiling / Model EDLS09-3C is designed to be hung on the ceiling.
2. Connect the electrical cable on the INPUT side to a 220-240VAC/50Hz mains power supply. The orange LED AC should turn on to indicate the unit is receiving power.
3. Install properly and securely to prevent accidents that could cause damage to the unit or other people and property.
4. Notice the LED ON in green indicating that the system is ready to operate (the device will operate automatically when power is supplied as it is an AC Start system).
5. The unit should illuminate automatically during a power outage. Once normal power has returned, the unit will continue to illuminate for another 3-5 seconds before turning off.

Important Note on Using the Unit





1. The emergency lighting unit should be installed indoors, out of direct sunlight and humidity. It should not be installed in environment with temperatures higher than 60 degrees Celsius.
2. When the unit is not in use always turn it off by pressing the "OFF" switch.
3. The unit should be stored in temperatures under 25 Degree Celsius and the battery should be charged every 3 months to maintain its operational life.
4. Please always read the manual carefully prior to operating the unit for the safest and most effective use of the product.

Caution: Please always read the manual prior to installation and operation.

Indicators









- Auto Test** ▶ Indicate that the unit is set to perform automatic self-tests
- LED Charge** ▶ Indicate the battery charging status
- LED AC.** ▶ Indicate that the unit is receiving a power supply
- LED On** ▶ Indicate that the unit is operational

Indication Lights	Display	Meaning
On 	<ul style="list-style-type: none"> - A continuous green light - The green light turns off 	<ul style="list-style-type: none"> - The unit is turned on and operational - The unit is not turned on
AC 	<ul style="list-style-type: none"> - A continuous orange light - The orange light turns off 	<ul style="list-style-type: none"> - The unit is receiving a normal AC power supply - The unit is not receiving an AC power supply
Charge 	<ul style="list-style-type: none"> - A continuous red light - A continuous green light - A red light blinks once every 2 seconds - A red light blinks three times every 2 seconds - A red light blinks four times every 2 seconds 	<ul style="list-style-type: none"> - The battery is charging - The battery is fully charged - The Low Voltage Indicator is warning that the battery's charge is about to fall below the Voltage Cut-Off point - The Battery Testing Fail is indicating that the battery can only hold less than 30 minutes of charge -The Battery Charging Fail is indicating that the battery is still not fully charged even after 10-15 hours of charging
Auto Test 	<ul style="list-style-type: none"> - A continuous green light - The green light turns off - A green light blinks on and off 	<ul style="list-style-type: none"> - The ON button has been pressed on the remote to turn on the automatic battery testing - The OFF button has been pressed on the remote to turn off the automatic battery testing - The unit is performing a battery test

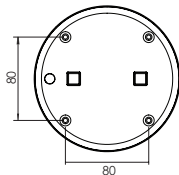
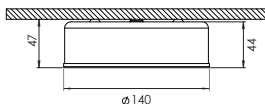
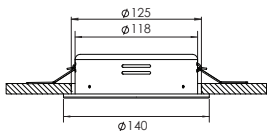
Auto Test



-  ▶ Button for testing the device's function for 5 seconds.
-  ▶ Button for testing the device's function for 30 minutes.
-  ▶ Button for testing the device's function for 60 minutes.
-  ▶ Button for turning on auto battery test system
-  ▶ Button for turning off auto battery test system
-  ▶ Button for canceling the test

The battery test is performed to help extend the operational lifetime of the battery, it will also test that the unit is in good condition and ready for operation. If the test finds that the battery can supply the unit with power for less than a designated amount of time, the red Charge LED will blink red 3 times every 2 seconds to indicate a Battery Fail.

Dimension (mm)



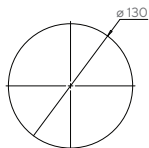
Initial Trouble Shooting

Problem	Cause	What to do
- Power not getting to the unit after plugging in. The LED AC light does not turn on.	<ul style="list-style-type: none"> - The power socket might not have any power. - The plug or socket is loose. - The AC fuse is blown. 	<ul style="list-style-type: none"> - Check the 220-240VAC power supply. - Check the plug and socket. - Contact customer service.
- Emergency light does not turn on after the power went out.	<ul style="list-style-type: none"> - The lamp is faulty - The circuit's wiring is loose. - The DC fuse is blown 	<ul style="list-style-type: none"> - Contact customer service. - Contact customer service. - Contact customer service.
- Emergency light only turns on for a short time after the power went out.	<ul style="list-style-type: none"> - The battery is not fully charged. - The battery is past its operational lifetime or has deteriorated 	<ul style="list-style-type: none"> - Plug the unit in to charge the battery for about 10 - 15 hours. - Contact customer service to replace the battery

Installation Steps

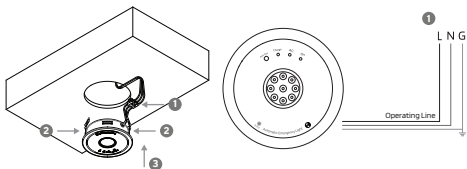
EDLS09-3R

Step 1



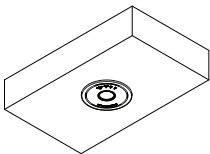
Drill holes in the ceiling as shown in the picture.

Step 2



Connect the power cord to the device as shown in **1**, press the spring into the housing as shown in **2**, and install the downlight into the ceiling hole.

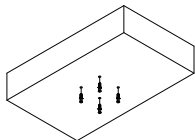
Step 3



Installation complete.

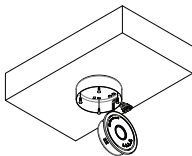
EDLS09-3C

Step 1



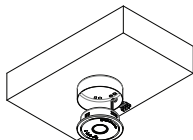
Embed anchors bolt or fastening devices and secure screws into the ceiling.

Step 2



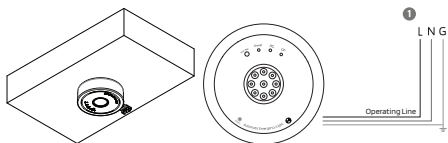
Secure the top cover onto the ceiling.

Step 3



Assemble the bottom cover onto the top cover.

Step 4



Installation of the device is complete, and connect the power cord to the device as shown in 1.

Terms for Warranty and Service

1. The Warranty will only be covered if the customer fills in the "warranty registration form" and mail the return part back to the company within 7 days from the day of purchase. If this is not carried out the warranty will be considered void.
2. The warranty only covers the unit's internal parts. The conditions and durations for the warranty of each part is as specified and the duration of the warranty is calculated from the date of purchase.
3. Please show your warranty card every time you contact our service center or the dealer you purchased the product from.
4. Products that fall into the following category are considered not covered by the warranty.
 - The product was used in a way not specified in the manual.
 - The product was used with accessories not meeting the required specifications specified in the manual.
 - The product seems to have been damaged from being dropped or from strong impact, for example, the parts are loose, dented, scrapped or misshapen.
 - The product has been repaired or modified by personnel not authorized by our company.
 - The Warranty Void sticker is torn or removed.
 - The product is damaged from careless use or incorrect maintenance, for example, the battery is swollen from overcharging, quick charging was used on the battery, the battery terminals have been short-circuited, the unit was used until the battery was completely discharged and not recharged immediately, the product was stored for long periods until the Battery Checker warning activates and still it is not plugged-in to charge or taking the battery to normal temperature conditions and not recharging it every 1 month.
 - The product was stored in an unsuitable environment, for example, a location with moisture or water vapor.
 - The product was supplied with a faulty AC power supply such as electrical overvoltage, electrical current surges, or lightning strikes entering the AC power line.
 - Damages from natural causes such as fire, being summered in fluids, humidity, chemicals or force majeure.
 - Damages from insects or animals.

Note : please read the manual carefully before installation and operation to understand how to properly operate the unit.

For any further questions about your product please feel free to contact SUNNY's customer service department.
Tel. (+66) 02-948-4450-2
E-mail: service@sunnyemergencylight.com

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