



EMERGENCY BATTERY BACK-UP

FOR RECESSED LIGHTS

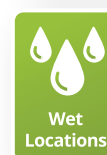
► **DESIGN** — EMERGENCY BATTERY BACK-UP FOR RECESSED LIGHTS with its durable lithium-ion battery provides constant output power to allow lighting fixture to operate more than 90 minutes in emergency battery mode during a power outage. Commercial grade housing with built-in junction box enables quick and easy installation. It is connected to the AC input directly.

► **SELF-CHECKING OPTION** — Battery automatically performs a monthly self-test to check whether the emergency function and annual self-test to check the capacity of the battery pack is normal.

► **SMART CONTROL** — Smart control with ASD NLS application for your mobile device allows to run battery tests and create a self-testing schedule to check whether the emergency function is normal. It also allows to monitor battery level, battery status, and to view test reports after each test.

► **APPLICATION** — Emergency battery is ideal solution for most indoor commercial lighting fixtures with 0/1-10V dimming, such as flat panels, troffers, downlights, suspension mounting LED linear strip lights and linear high bay lights. It is also damp locations rated.

► **ADVANTAGES** — Long lifespan - these batteries meet 5000 cycles of standard charge and discharge. ASD provides a 5-year warranty with UL certification to guarantee top quality products and safety! In the event of a battery malfunction (Battery fault, load fault), the corresponding indicator in the APP will notify the user.



PRODUCT PRESENTATION:

Model	Watts	Voltage	Dimmable	Dimensions (LxWxH)
ASD-EMA15	15W	120-277 V	0-10 V	14-5/8" x 1-5/8" x 1-7/16"
ASD-EMA15-NLS	15W	120-277 V	0-10 V	14-5/8" x 1-5/8" x 1-7/16"
Accessories				
ASD-G02-NLS	-	120 V	-	4-1/4" x 5-3/16" x 1-1/16"

ORDERING INFORMATION

Model	UPC	Pcs. per carton	Carton size	Carton weight	GTIN 14
ASD-EMA15	81012811702	10	20.3" x 15.9" x 12.6"	26 lbs	10810128117026
ASD-EMA15-NLS	81012811435	10	20" x 15.4" x 12"	19.8 lbs	10810128114353
Accessories					
ASD-G02-NLS	81012811436	4	15.75" x 11.81" x 9.29"	6.2 lbs	10810128114360

For most up-to-date spec sheets please refer to asd-lighting.com

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PRODUCT SPECIFICATIONS:

Construction & Materials	
Housing	Metal
Weight	1.8 lbs (0.8 kg)
Environmental system	
Work environment	Suitable for Damp Locations
Operating temperature	-32°F to 122°F (0°C to 50°C)
L-70 Life	> 50,000 hrs
Electrical system	
Input voltage	120-277 V
Max input current	0.1 A
Max Input power	8W
Max load power	120W
Output voltage	145 V
Battery type	Lithium
Battery capacity available	2600 mAh
Battery recharge time	< 24 hours
Battery discharge time	90 min
Regular and voluntary certifications	
5-year limited warranty	
UL certified E495654	

STANDARD OPERATION DISPLAY STATUS:

Test switch	Emergency mode	Charging	Malfunction mode
 OFF	 OFF	 ON	 Blinking

Normal mode:

Fixtures will operate normally when power is available. When an outage occurs, the fixture will switch to emergency mode, delivering power to the fixture for more than 90 minutes.

Emergency mode:

1. The emergency battery backup enters the emergency mode immediately after the mains power failure.
2. Stop the emergency and return to the charging state after the mains power call.

Self-test / Monthly self-test:

It will automatically perform a monthly self-test every 30 days with a duration of 30 S to check whether the emergency function is normal, and automatically restore to normal charging after 30 S discharged.

Annual self-test:

An annual self-test will be done every year (12 months) with a duration of more than 90 mins to check whether the capacity of the battery pack is normal, and automatically restore to normal charging after fully discharged. (the condition of annual test is that the battery pack is fully charged). If the annual inspection is interrupted, it will be retested after recovery and when the test conditions are met. (Possibility of interruption: such as sudden power failure, sudden manual test).

STEP-BY-STEP SETUP GUIDE:

1. Manually Put the Gateway in Pairing Mode: Connect the gateway to a power source, then hold «reset» button for a 5 seconds.

2. Adding the Gateway to the App:

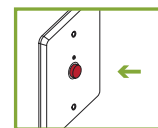
- Ensure Bluetooth is enabled and your phone is connected to Wi-Fi.
- Open the ASD NLS App.
- Go to Device Management and select the area where the gateway will be located.
- Press the «+» button in the top right corner to add a device.
- Wait for the App to find the gateway. When it appears, press «Add».
- Enter your Wi-Fi credentials.
- After the gateway loads, press «Done» in the top right corner.
- Select the loaded gateway and press «Add» one final time to complete the setup.

3. Connect the Emergency-kit to a power source, then prepare the battery for pairing:

- If the battery's button light is blinking: It's already in pairing mode. Skip to Step 5.
- If the battery's button light is not blinking: Go to Step 4 to manually enter pairing mode.

4. Manually Put the Battery in Pairing Mode:

- Press the test button 5 times. Open the ASD NLS App.
- The battery will make a clicking noise, and the red light will briefly turn off, then come back on and start blinking. This means the battery is now in pairing mode.



5. Adding the Battery to the App:

- In the app, return to the chosen Area. Select your gateway from the list of devices and follow the steps below to add your battery.
- Press the «Add Device» button at the bottom and then the «Add new devices» button to find battery.
- Wait for the app to find your battery. When it appears, press «Next» button.
- After the battery loads, press «Done» to complete the setup.
- After the battery loads, press «Done» in the top right corner.
- Select the loaded battery and press «Add» one final time to complete the setup.

For most up-to-date spec sheets please refer to asd-lighting.com



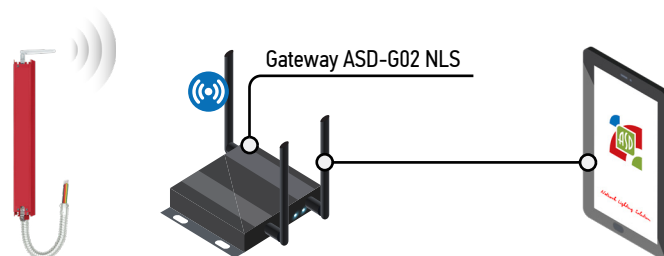
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BEHIND THE SCENES: HOW IT WORKS:

ASD NLS is a professional smart-control application that provides centralized, remote oversight while keeping the interface concise and purpose-driven.

Connecting NLS EM through the app lets users monitor battery status and capacity in real time, schedule automatic self-tests with logged results, and receive remote diagnostics and alerts — ensuring up to 90 minutes of backup readiness and enabling predictive maintenance with fewer site visits.



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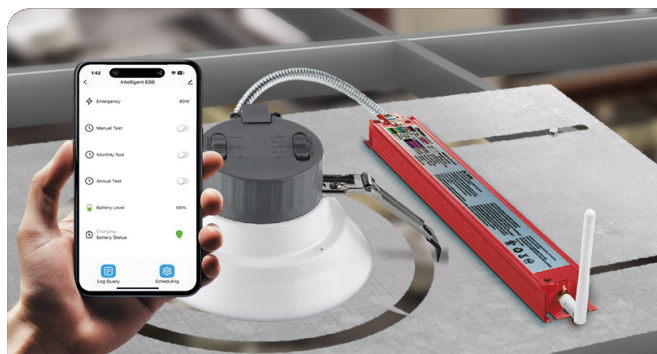
SCHEDULING

Users select projects/zones and set convenient test times. Tests start automatically at scheduled times; recurring or manual runs supported.



BATTERY STATUS

Devices periodically send charge level and health. App displays current battery status and issues low-battery alerts; system estimates remaining life.



BATTERY FAULT NOTIFICATION

System monitors battery health (overheating, voltage drops, charge/discharge failures). App sends instant alerts; all faults logged with timestamp.



TEST REPORTS

Test results are automatically saved after completion. Reports are available through the ASD NLS app and based on battery charge and condition data.



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