INTEGRITY LED

LED EMERGENCY LIGHTS

EML series



DESIGN: LED EMERGENCY LIGHTS are made from ABS material with a flame-retardant UL-94V-0 rating, ensuring high durability and fire resistance. The housing is impact-resistant and designed to withstand harsh conditions such as fires or earthquakes

LIGHTING: Each unit features dual adjustable LED lamp heads that can rotate up, delivering focused and flexible illumination. Light color is 4000K, providing clear visibility along hallways or egress paths. Each emergency fixture includes two 1.2W LED lights for reliable backup lighting during power outages

BATTERY BACK-UP: Equipped with built-in 3.6V Ni-Cd rechargeable batteries, the lights offer a minimum of 90 minutes of emergency operation during power failures. The units support 120V–277V input voltage.

APPLICATION: These fixtures are designed for easy surface wall mounting and are compatible with standard junction boxes. Installation is quick, with all required hardware included. Widely used in stairwells, corridors, exits, schools, hospitals, offices, and commercial buildings, they provide reliable emergency illumination in any critical situation

ADVANTAGES: With a lifespan of 50,000 hours, these fixtures are made to last decades under normal operation! Integrity LED provides a 5-year limited warranty along with UL certifications to guarantee top quality products and safety!



IL-EML-2RL-W



IL-EML-2RS-W



PRODUCT PRESENTATION

MODEL	POWER OF PRODUCT	POWER OF SIDE LAMPS	POWER OF BATTERY	VOLTAGE	LUMENS	CCT	FINISH	DIMENSIONS	CERTIFICATION
IL-EML-2RL-W	1.2W	1.2W PER HEAD	2.5W	120-277V	215lm	4,000 K	White	9-13/16" x 4-1/8" x 2-11/16"	UL (E495654)
IL-EML-2RS-W	1.2W	1.2W PER HEAD	2.5W	120-277V	225lm	4,000 K	White	13-11/16" x 4-1/2" x 3-7/16"	UL (E495654)

TECHNICAL PARAMETERS

MODEL	MAX INPUT CURRENT	WORK ENVIRONMENT	OPERATING TEMPERATURE	POWER FACTOR	BEAM ANGLE	HOUSING	CRI
IL-EML-2RL-W	0.03A	Damp location	32°F to 104°F(0°C to 40°C)	>0,5	120°	Plastic	>80
IL-EML-2RS-W	0.03A	Damp location	32°F to 104°F(0°C to 40°C)	>0,5	120°	Plastic	>80

For the most up-to-date spec sheets, visit integrityled.info

INTEGRITY LED
Commercial LED Lighting

Web: integrityled.info
Phone: (830) 538-0991

ORDERING INFORMATION

MODEL	PRODUCT DIMENSIONS	WEIGHT	PCS. PER CARTON	CARTON SIZE	CARTON WEIGHT	UPC	GTIN 14
IL-EML-2RL-W	9-13/16" x 4-1/8" x 2-11/16"	0.9 lbs(0.4kg)	6	10.83" x 9.84" x 9.84"	7.7 lbs	81019020106	10810190201067
IL-EML-2RS-W	13-11/16" x 4-1/2" x 3-7/16"	1.2 lbs(0.6kg)	6	14.76" x 10.24" x 11.22"	9.8 lbs	81019020107	10810190201074

INSTALLATION GUIDE

Please read all the instructions below before installation!

IMPORTANT SAFETY INFORMATION

- Make sure that the supply voltage corresponds to the rated product voltage.
- The product must be installed by a qualified electrician in accordance with the National Electrical Code and corresponding local codes.
- If the product is damaged, do not use it.

⚠ WARNING

Risk of personal injury: read and follow all warnings and installation instructions. Keep or give to the owner for future reference.

Risk of cuts: Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing, and maintaining this product.

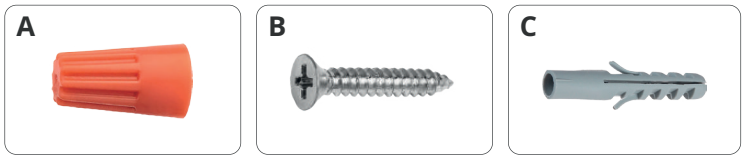
Risk of electric shock: This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

Risk of Fire: Minimum 194°F supply conductors. Consult a qualified electrician to ensure correct branch circuit conductor.

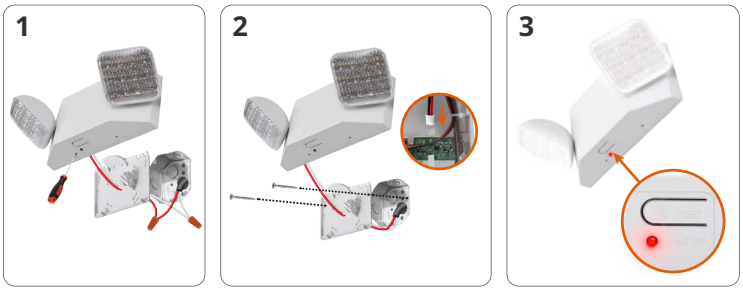
Integrity LED assumes no responsibility for claims arising out of improper **or careless Installation or handling of this product.**

PACKAGE CONTENTS

DESCRIPTION	QUANTITY
LED Emergency Light	1
Wire nut (A)	3
Self-taping screw (B)	2
Anchor (C)	2
Box	1

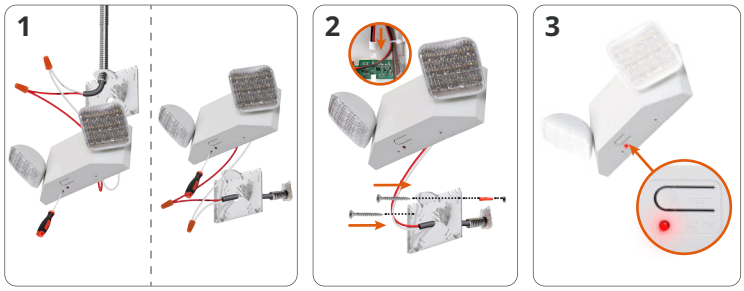


JUNCTION BOX INSTALLATION



1. Hold the fixture and use a flathead screwdriver to release the locking tabs, then separate the backplate from the housing. Feed the wires through the backplate and connect them using the provided wire nuts. For 120V–277V, connect red to red and white to white. Secure any unused wires with wire nuts.
2. Attach the backplate to the junction box using standard junction box screws (not included). Ensure that all wires and connections are neatly positioned inside the junction box and backplate area. Then connect the PCB board connector to the battery connector.
3. Restore power to the fixture - the Test switch should illuminate, confirming proper power supply. Please note that the battery requires 48 hours to fully charge.

INSTALLATION WITH CONDUIT



1. Use this fixture only with flexible conduit. Route supply wires through the conduit flange or rear backplate opening and make conduit connections per electrical code. For 120V–277V, connect red to red and white to white. Ensure all connections are secure and insulated with wire nuts.
2. Use the backplate as a template to mark mounting points, drill two holes, and install wall anchors. Secure the backplate with screws, keeping it level. Connect the PCB board to the battery for backup power, then align the locking tabs and press the housing onto the backplate until it clicks.
3. Restore power to the fixture - the Test switch should illuminate, confirming proper power supply. Please note that the battery requires 48 hours to fully charge.

BUILT-IN BATTERY BACK-UP INFORMATION

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
The LED charge indicator does not illuminate	AC power supply is off	Ensure the unit has AC power supply. Restore the power at the breaker/fuse box
	The unit is incorrectly wired	Ensure the unit is wired correctly.
	The battery isn't connected	Ensure the battery is connected.
The LED emergency heads do not illuminate	The battery is discharged	Verify the unit is properly wired and connected to an AC power source. Allow the unit to charge for 48 hours and then re-test.
	The battery isn't connected	Ensure the battery is connected.

BATTERY REPLACEMENT

IL-EML-2RL-W, IL-EML-2RS-W use a Ni-MH Rechargeable AA 1800 mAh
3.6V battery.

To remove the battery:

1. Bend the battery catches away from the battery and remove the battery from the housing.

2. Disconnect the battery leads from the board terminal.

3. Connect the new battery to the board terminal.

4. Place the new battery in the battery location and ensure it is seated behind the battery catches.

MAINTENANCE

NOTE: National Electric Code (NEC) and NFPA life safety code regulations require that routine tests need to be performed.

TESTING OPERATION

With AC Power applied to the unit, the EXIT sign and A/C Power LED indicator should illuminate. When pushing the TEST button, the LED indicator should turn off, the EXIT sign will remain illuminated.

TESTING THE BATTERY

Test the unit's battery once per month. Additionally, every 12 months, a full 90-minute test should be performed. While disconnected from the main power supply, the unit should illuminate for a minimum of 90 minutes on battery back up power.

