

LITHONIA LIGHTING EU2C Basics Thermoplastic Emergency Unit Instruction Manual

Contents

- 1 EU2C Basics Thermoplastic Emergency Unit
 - 1.1 IMPORTANT SAFETY INSTRUCTIONS
 - 1.2 WARNING RISK OF ELECTRIC SHOCK
 - 1.3 CAUTION RISK OF INJURY
 - 1.4 WARNING RISK OF BURN
 - 1.5 CAUTION RISK OF FIRE
 - 1.6 CAUTION: RISK OF PRODUCT DAMAGE
- 2 INSTALLATION INSTRUCTION for Lithonia Lighting EU2C Model LED DUAL HEAD EMERGENCY LIGHTING FIXTURE
 - 2.1 READ AND FOLLOW ALL SAFETY INSTRUCTIONS
 - 2.2 INSTALLATION:
 - 2.3 SAVE THESE INSTRUCTIONS and deliver to owner after installation
- 3 INSTALLATION INSTRUCTIONS
 - 3.1 J-BOX MOUNTING:
 - 3.2 CONDUIT MOUNTING:
 - 3.3 WALL/CEILING MOUNTING:
 - 3.4 OPERATION:
 - 3.5 LED STATUS INDICATOR and TROUBLESHOOTING:
 - 3.6 TESTING:
- 4 SAVE THESE INSTRUCTIONS and deliver to owner after installation
- 5 READ AND FOLLOW ALL SAFETY INSTRUCTIONS
 - 5.1 WIRING DIAGRAMS
- 6 SAVE THESE INSTRUCTIONS and deliver to owner after installation
- 7 INSTALLATION INSTRUCTIONS
- 8 SAVE THESE INSTRUCTIONS and deliver to owner after installation
- 9 Documents / Resources
 - 9.1 References
- 10 Related Posts

EU2C Basics Thermoplastic Emergency Unit

IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS! SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards please read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Installation and service of luminaires should be performed by a qualified

licensed electrician.

- Maintenance of the luminaires should be performed by person(s) familiar with the luminaires' construction and operation and any hazards involved. Regular fixture maintenance programs are recommended.
- It will occasionally be necessary to clean the outside of the refractor/lens. Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to user. Refractor/lens should be washed in a solution of warm water and any mild, non-abrasive household detergent, rinsed with clean water and wiped dry. Should optical assembly become dirty on the inside, wipe refractor/lens and clean in above manner, replacing damaged gaskets as necessary.
- DO NOT INSTALL DAMAGED PRODUCT! This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.
- Recycle: For information on how to recycle LED electronic products, please visit www.epa.gov.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to Acuity Brands Lighting, Inc.



WARNING RISK OF ELECTRIC SHOCK

- Disconnect or turn off power before installation or servicing.
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements.
- All wiring connections should be capped with UL approved recognized wire connectors.



CAUTION RISK OF INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.



WARNING RISK OF BURN

- Allow lamp/fixture to cool before handling. Do not touch enclosure or light source.
- Do not exceed maximum wattage marked on luminaire label.

- Follow all manufacturer's warnings, recommendations and restrictions for: driver type, burning position, mounting locations/methods, replacement and recycling.



CAUTION RISK OF FIRE

- Keep combustible and other materials that can burn, away from lamp/lens.
- Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.



CAUTION: RISK OF PRODUCT DAMAGE

- Never connect components under load.
- Do not mount or support these fixtures in a manner that can cut the outer jacket or damage wire insulation.
- Unless individual product specifications deem otherwise: Never connect an LED product to dimmer packs, occupancy sensors, timing devices, or other related control devices. LED fixtures must be powered directly off a switched circuit.
- Unless individual product specifications deem otherwise: Do not restrict fixture ventilation. Allow for some volume of airspace around fixture. Avoid covering LED fixtures with insulation, foam, or other material that will prevent convection or conduction cooling.
- Unless individual product specifications deem otherwise: Do not exceed fixtures maximum ambient temperature.
- Only use fixture in its intended location.
- LED products are Polarity Sensitive. Ensure proper Polarity before installation.
- Electrostatic Discharge (ESD): ESD can damage LED fixtures. Personal grounding equipment must be worn during all installation or servicing of the unit.
- Do not touch individual electrical components as this can cause ESD, shorten lamp life, or alter performance.
- Some components inside the fixture may not be serviceable. In the unlikely event your unit may require service, stop using the unit immediately and contact an ABL representative for assistance.
- Always read the fixtures complete installation instructions prior to installation for any additional fixture specific warnings.
- Verify that power distribution system has proper grounding. Lack of proper earth ground can lead to fixture failure and may void warranty.

All luminaires that contain electronic devices that generate frequencies above 9kHz from any component within the luminaire comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference (2) This device must accept any interference received, including interference that may cause undesired operation.

Failure to follow any of these instructions could void product warranties.

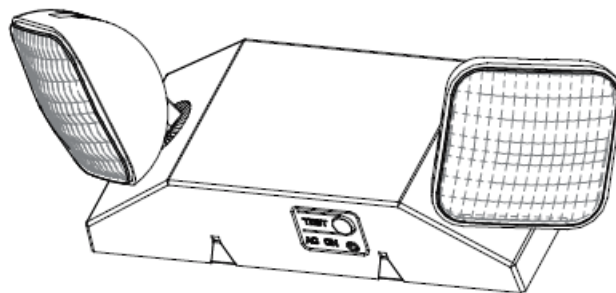
For a complete listing of product Terms and Conditions, please visit www.acuitybrands.com. Acuity Brands Lighting, Inc. assumes no responsibility for claims arising out of improper or careless installation or handling of its products.

ABL LED General Warnings, Form No. 503.203
© 2010 Acuity Brands Lighting, Inc. All rights reserved. 12/01/10

INSTALLATION INSTRUCTION for Lithonia Lightning EU2C Model LED DUAL HEAD EMERGENCY LIGHTING FIXTURE

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

WARNING: FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS MAY RESULT IN DEATH, SERIOUS INJURY OR SIGNIFICANT PROPERTY DAMAGE. For your protection, read and follow these warnings and instructions carefully before installing or maintaining this equipment. These instructions do not attempt to cover all installation and maintenance situations. If you do not understand these instructions or additional information is required, contact LITHONIA LIGHTING or your local LITHONIA LIGHTING distributor.



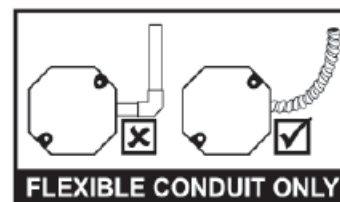
WARNING: RISK OF ELECTRIC SHOCK – NEVER CONNECT TO, DISCONNECT FROM, OR SERVICE WHILE EQUIPMENT IS ENERGIZED.

WARNING: RISK OF FIRE. Lamps are hot. Keep combustible material away from hot parts. Observe lamp manufacturer's warnings, recommendations and restrictions on lamp operation and maintenance. Make sure lamps are correctly installed.

CAUTION: The battery in this unit may not be fully charged. After electricity is connected to unit, let battery charge for at least 24 hours, then normal operation of this unit should take effect. To check, press the TEST button. The lamps on the unit should turn on.

NOTE: Complies with California title 20. Product label is marked with BC.

IMPORTANT SAFEGUARDS: When using electrical equipment, basic safety precautions should always be followed, including the following:



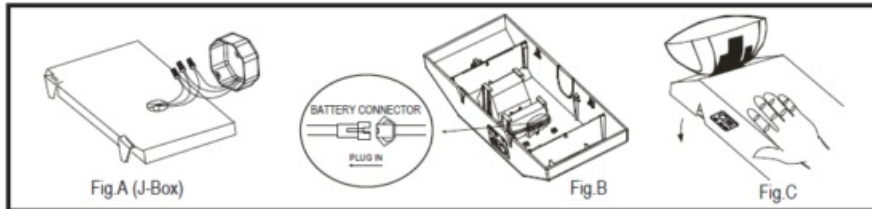
- Do not use outdoors.
- Consult local building code for approved wiring and installation.
- Disconnect AC power before servicing and installation.
- Do not mount near gas or electric heaters.
- Do not use this equipment for anything other than its intended use.
- The use of accessory equipment not recommended by the manufacturer will void product listing and warranty and may cause an unsafe condition.
- Any service on this equipment should be performed by qualified personnel only.
- Equipment should be mounted in locations and at heights where it will not be subject to tampering by

unauthorized personnel.

- Use caution when servicing batteries.
- Cap unused wires with enclosed wire nuts or other approved method.
- Make sure wire terminations are secure and leads are properly tucked in appropriate wire channels.

INSTALLATION:

NOTE: Max Mounting height is 10ft to achieve at least 1 ft-candle of illuminance in emergency mode.



**SAVE THESE INSTRUCTIONS
and deliver to owner after installation**

INSTALLATION INSTRUCTIONS

J-BOX MOUNTING:

1. Feed future leads through the back plate and connect to AC power supply (Fig A, page 1). For 120V use black and white wires and for 277, use red and white wires.
2. Attach back plate to J-Box and secure with screws.
3. Complete the battery connection. (Fig. 8, page 1)
4. Align snaps and push housing directly onto the back plate (Fig. C, page 1). Apply continuous AC power.
5. After the battery has been let to charge for 24 hours, test the unit by pushing the test switch and the LED lamp head will turn ON.

CONDUIT MOUNTING:

1. Secure back plate to wall surface using keyhole Knockouts on the back plate.
2. Route wires through hole in conduit flange and make conduit connection. For 120V use black and white wires and for 277V, use red and white wires.
3. Complete the battery connection (Fig. B, page 1).
4. Align snaps and push housing directly onto the back plate. Apply continuous AC power.
5. After battery has been left to charge for 24 hours, test the unit by pushing the test switch and the LED lamp head will turn ON,

WALL/CEILING MOUNTING:

1. Secure back plate to wall surface using Keyhole knockouts on the back plate.
2. Feed fixture leads through back plate and connect to AC power supply. For 120V use black and white wires and

for 277V, use red and white wires.

3. Complete the battery connection (Fig. B, page 1).
4. Align snaps and push housing directly onto the back plate. Apply continuous AC power.
5. After battery has been left to charge for 24 hours, test the unit by pushing the test switch and the LED lamp head will turn ON.

OPERATION:

1. During an electrical power failure, the LED lamps will automatically come on for a minimum of 90 minutes.
2. To test, press the “TEST” switch. The emergency LED lamps will luminate and LED indicator will turn OFF. When the switch is released, the lamps will turn OFF and the LED indicator will turn ON.

LED STATUS INDICATOR and TROUBLESHOOTING:

Visual Status	Indication	Troubleshooting/Actions to Take
RED	<ol style="list-style-type: none">1. Battery connection is not made.2. Battery has been diagnosed as dead or defective after 24 hours of continuous charging with AC power supplied.	<ol style="list-style-type: none">1. Make connection; or if battery is connected, disconnect battery for eight seconds and then reconnect.2. Replace the battery.
GREEN	Battery is connected, AC power has been supplied and fixture is in charging state.	This is the normal state. No action required.
UNLIT	AC power has not been supplied.	Supply AC power.

TESTING:

National Electric Code (NEC) and NFPA regulations require that routine tests need to be performed as listed below: Once every month, the unit needs to be tested for duration of 30 seconds. Push in and hold the test switch to perform this test. Once every 12 months, a full 90 minute (per UL requirements) test needs to be performed on the unit. Disconnect power to the unit and leave it in the emergency mode. The lamps should stay ON for at least 90 minutes. Written records of the testing are to be kept for examination by the authority having jurisdiction.

**SAVE THESE INSTRUCTIONS
and deliver to owner after installation**

TROUBLESHOOTING

Condition – The emergency lights do not operate

1. If the charge indicator light is OFF: Check that the circuit breaker for AC supply is ON.

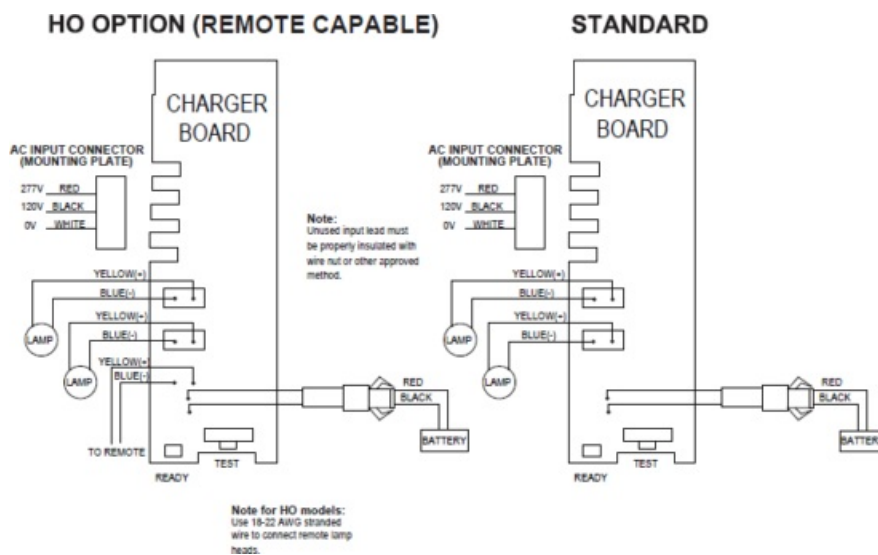
2. If the charge indicator light is ON: Check that battery is properly connected. If problem persists, Replace battery. If remote lamps (where applicable) are connected to the equipment, then turn OFF the AC supply and disconnect the remote circuit wires from the equipment. Turn ON the AC supply and depress the test switch. If the local lamps (mounted on the equipment itself) come ON, then check the remote circuit for short or overload condition and correct as required. Reconnect the circuit wires and restore AC power. If the local lamps don't turn ON after disconnecting the remote circuit wires, then replace battery.

Condition – Emergency lights are dim

1. Battery not fully charged. Allow battery to recharge for 24 hours and then retest. If lights are still dim, replace battery.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

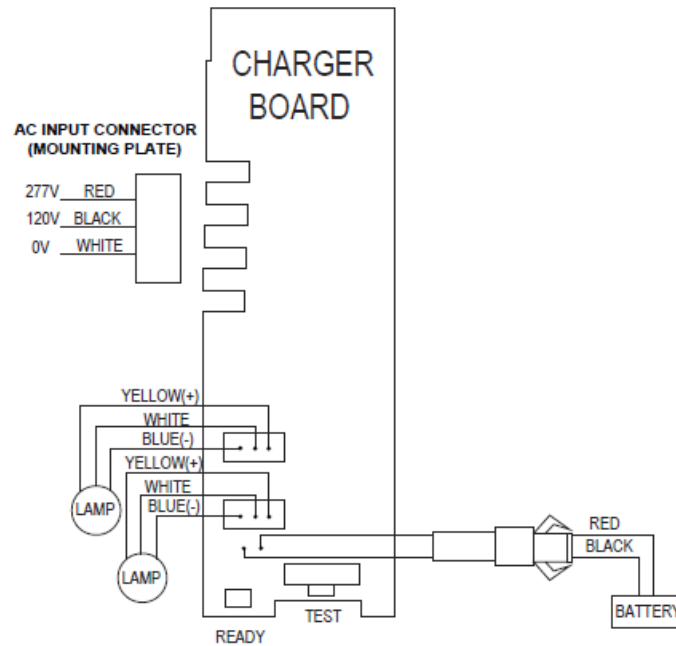
WIRING DIAGRAMS



SAVE THESE INSTRUCTIONS
and deliver to owner after installation

INSTALLATION INSTRUCTIONS

SD OPTION



SAVE THESE INSTRUCTIONS
and deliver to owner after installation

Documents / Resources



[LITHONIA LIGHTING EU2C Basics Thermoplastic Emergency Unit](#) [pdf] Instruction Manual
EU2C Basics Thermoplastic Emergency Unit, EU2C, Basics Thermoplastic Emergency Unit, Thermoplastic Emergency Unit, Emergency Unit

References

- [Acuity Brands | Lighting, Controls, and Building Management Solutions](#)
- [U.S. Environmental Protection Agency | US EPA](#)
- [User Manual](#)

[Manuals+](#). [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.