

Lumination® Controls Accessory

Supplement Installation (Controls Integration)



BEFORE YOU BEGIN

Read these instructions completely and carefully.



WARNING/AVERTISSEMENT

RISK ELECTRIC SHOCK

- Turn power off before inspection, installation or removal.
- Properly ground electrical enclosure.

RISK OF FIRE

- Follow all NEC and local codes.
- Use only UL approved wire for input/output connections.
- Minimum size 18 AWG (0.75mm2).

RISQUES D'INCENDIE OU DE DÉCHARGES ÉLECTRIQUES

- Coupez l'alimentation avant d'inspecter, installer ou déplacer le luminaire.
- Assurez-vous de correctement mettre à la terre le boîtier d'alimentation électrique.
- Respectez tous les codes NEC et codes locaux.
- N'utilisez que des fils approuvés par UL pour les entrées/sorties de connexion. Taille minimum 18 AWG (0.75mm2).

Save These Instructions

Use only in the manner intended by the manufacturer.
If you have any questions, contact the manufacturer.

Tools and Components Required

- See luminaire instructions.

IMPORTANT:

Controller Identification Labels

Control labels can be visible either on the control unit itself, on a sensor unit (if applicable) or near the fixture labels on the outside of the luminaire. These labels can be left in the same visible spot, or they can be placed in an area on the fixture that is easy to access for identification. Labels can be (or may be required to be) placed on a floorplan drawing for commissioning. Consult with commissioning agent for further details and requirements. Refer to Controls Identification section of this document.

IMPORTANT:

Controls Option Details

Please reference the link below for more details on the specific controls option ordered for this fixture:
[LED.com](https://www.lutron.com/TechnicalDocumentLibrary/3691039.pdf)

For more detailed information on Lutron sensors please reference the link below:
<https://www.lutron.com/TechnicalDocumentLibrary/3691039.pdf>

Prepare Electrical Wiring



Electrical Requirements

- See luminaire instructions



Grounding Instructions

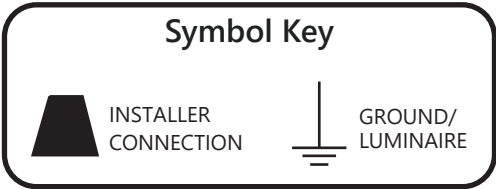
- The grounding and bonding of the overall system shall be done in accordance with National Electric Code (NEC) local codes.

Specifications

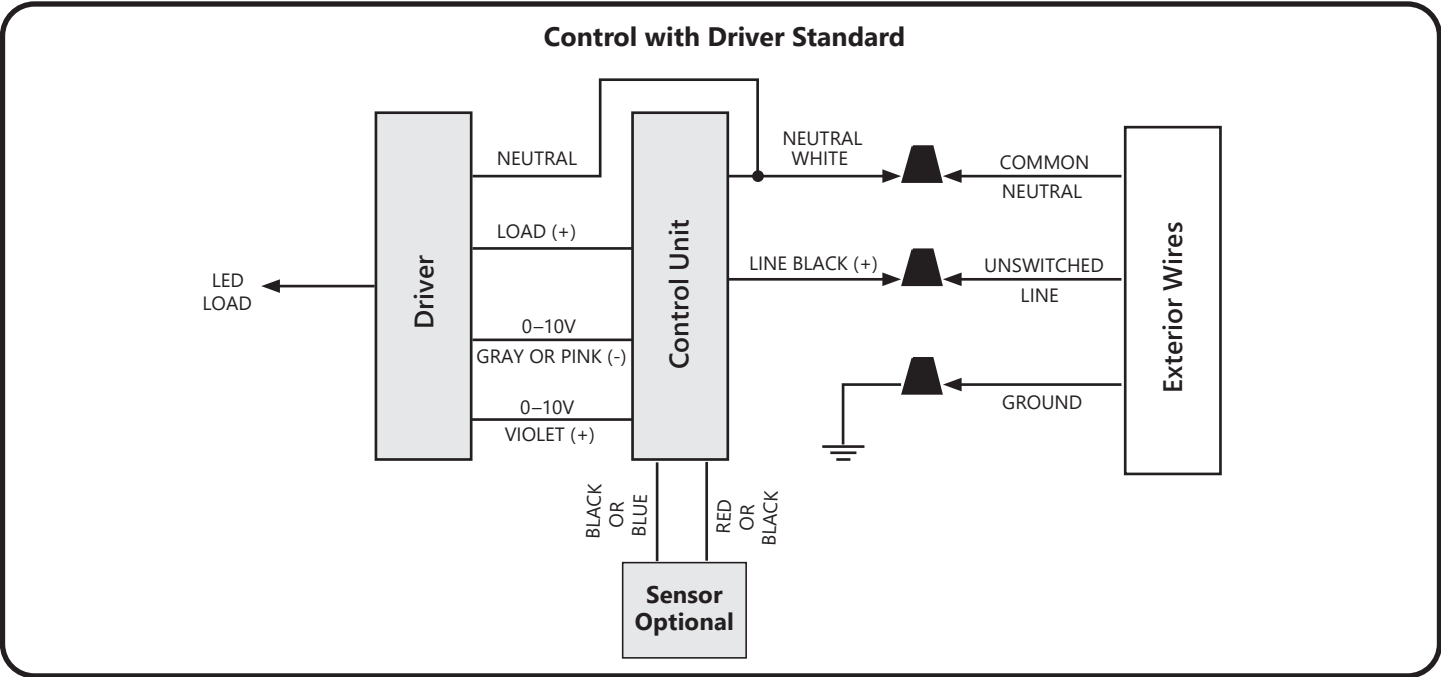
Description Code for Control Units

SQ - Daintree Sensor Ready (120–277 VAC)
TS - Daintree Wireless Fixture Adapter WFA100 (120–277 VAC)
TQ - Daintree compatible controller: LG Innotek (or Equivalent) Wireless Interface Module (120–277 VAC)
T1 - Daintree One Sensor (120–277 VAC)
TT - Daintree EZ Connect Sensor (120–277 VAC)
TZ - Daintree Enterprise Sensor (120–277 VAC)
LB - Lutron VIVE DFCSJ OEM OCC (120–277 VAC)
LE- Lutron EcoSystem (120–277 VAC)
LU- Lutron VIVE DFCSJ OEM RF (120–277 VAC)

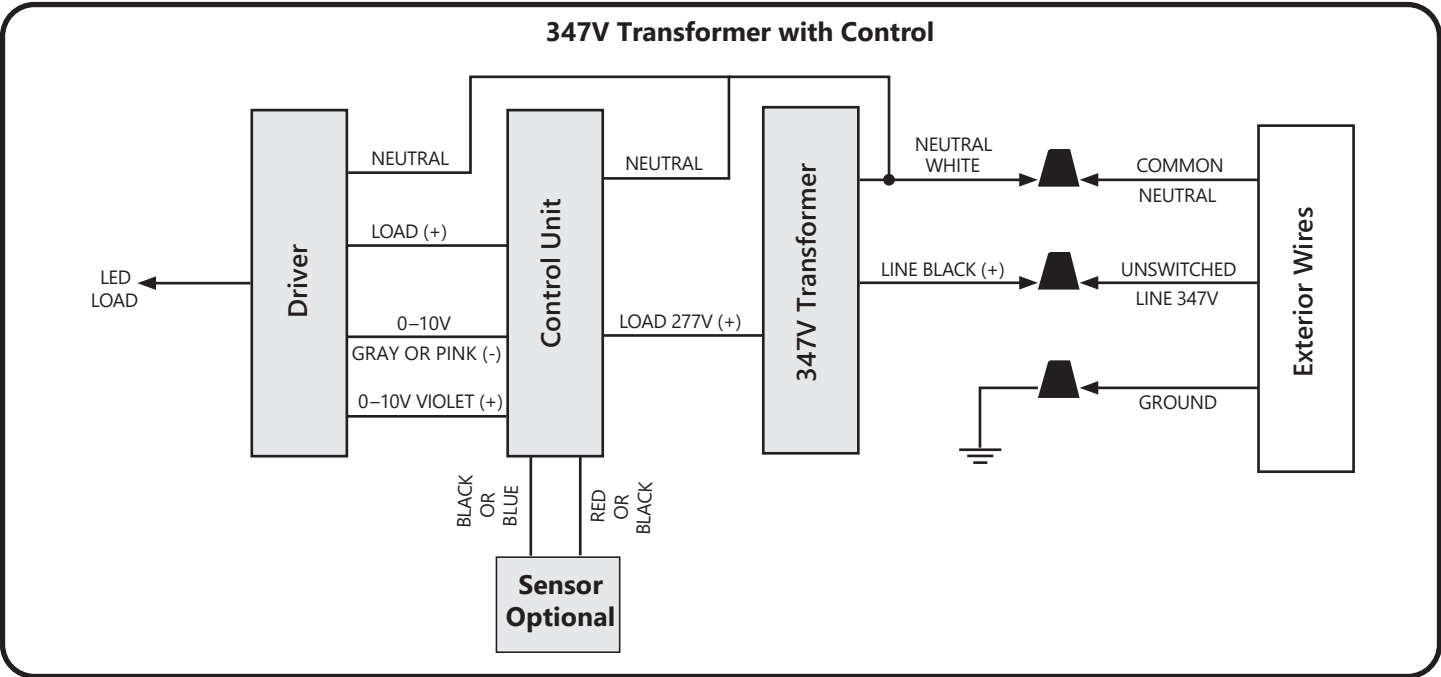
Wiring Diagrams



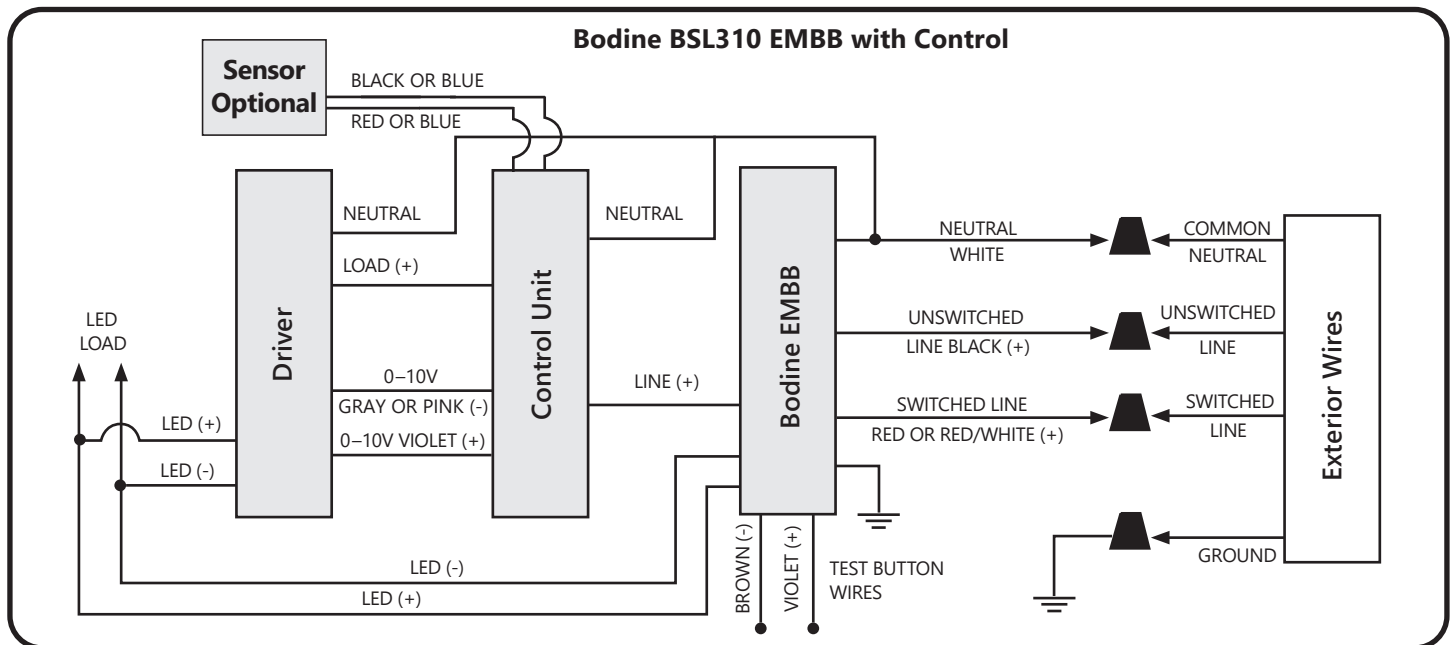
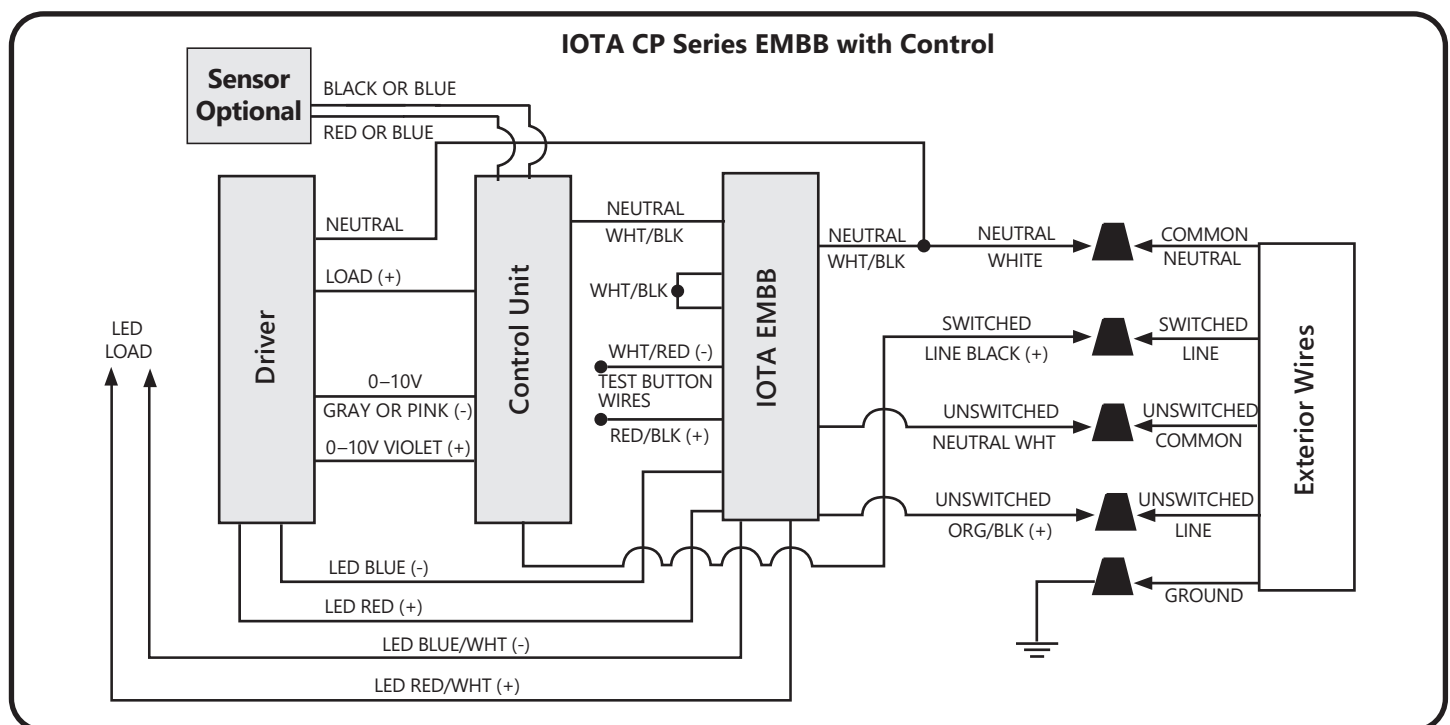
Standard Version: Control with 0–10V Driver



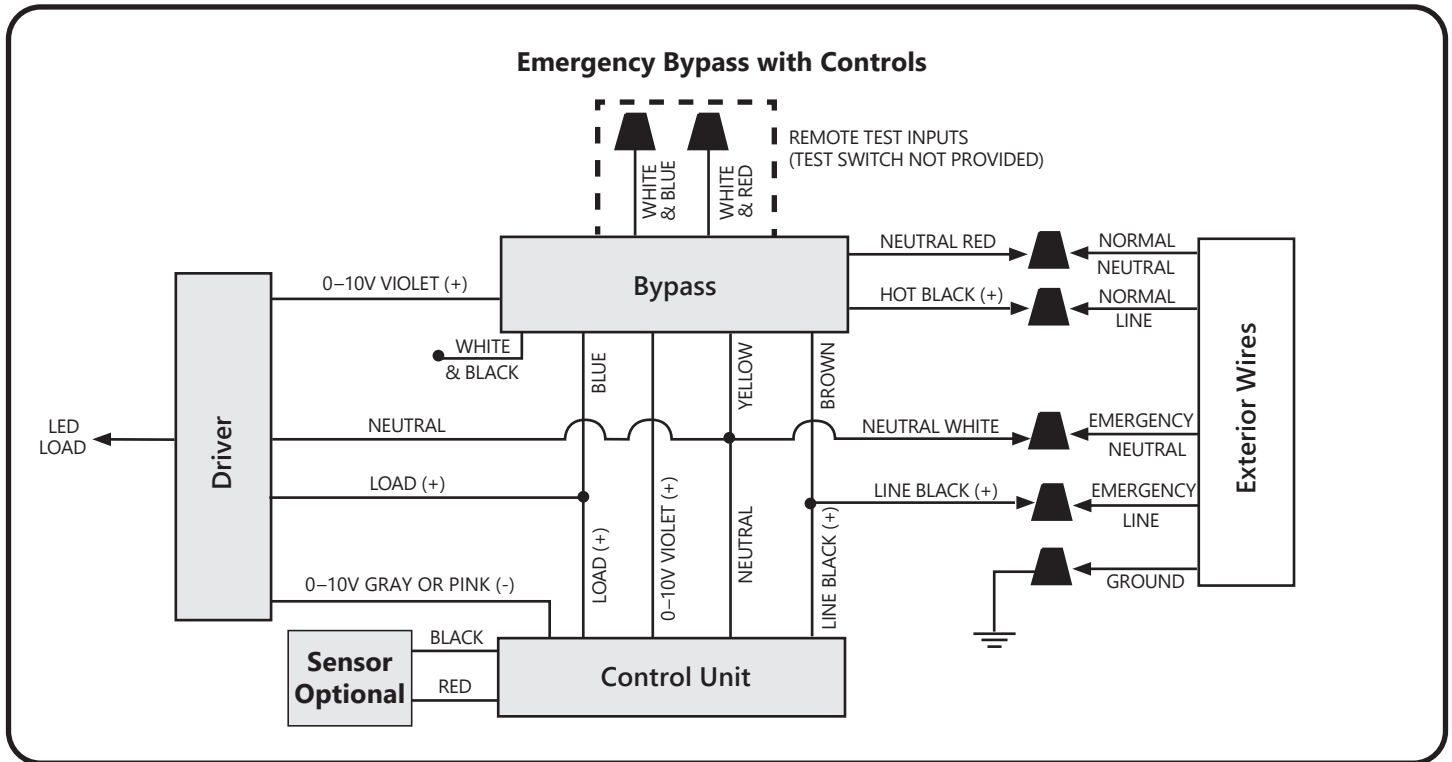
347V Transformer Version: 347V Transformer with Control and 0–10V Driver



EMBB Version: Emergency Battery Backup with Control and 0–10V Driver

NOTE: Refer to EMBB Supplement Guide for further information.For further information refer to EMBB installation instructions by searching for proper model number at www.bodine.com.For further information refer to EMBB installation instructions by searching for proper model number at www.iotaengineering.com.

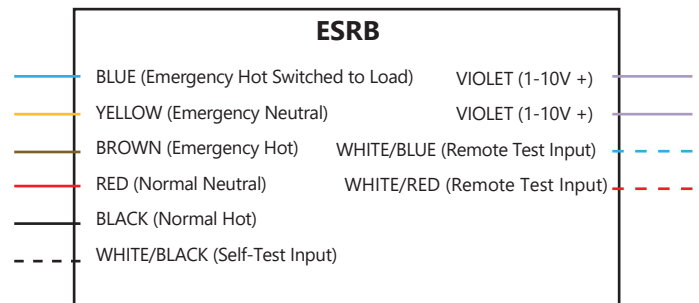
Emergency Bypass Version: Controls with 0–10V Driver

**EMERGENCY BYPASS OPTION:**

Connect the **BLACK** and **RED** wires from the fixture to the normal, non-emergency AC wires to detect whether or not the fixture is in emergency mode.

NOTES:

- See diagram to right for wire colors and descriptions.
- Self-Test Input must be from same branch circuit as normal neutral and normal hot.
- Remote test switch is not provided.
- Remote test input is performed when input is **CLOSED**.
- This option is not available for all configurations with controls.



* For further information on the bypass unit, refer to www.functionaldevices.com.

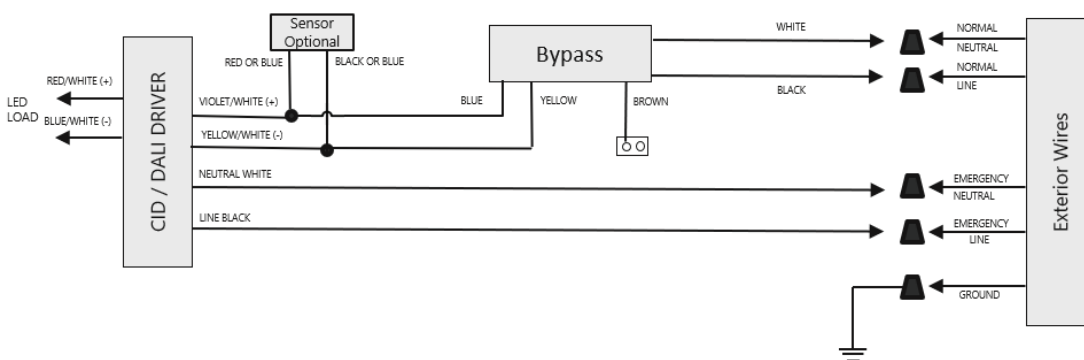
Emergency Bypass Version: Controls with DALI/CID Driver

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS

2. Do not use outdoors.
3. Do not let power supply cords touch hot surfaces.
4. Do not mount near gas or electric heaters.
5. Equipment should be mounted in locations and at heights where it will not be readily be subjected to tampering by unauthorized personnel.
6. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
7. Do not use equipment for other than intended use.

SAVE THESE INSTRUCTIONS

Emergency Bypass with Controls

**EMERGENCY BYPASS OPTION:**

Connect the **BLACK** and **WHITE** wires from the fixture to the normal, non-emergency AC wires to detect whether or not the fixture is in emergency mode.

NOTES:

- See diagram to right for wire colors and descriptions.
- Self-Test Input must be from same branch circuit as normal neutral and normal hot.
- Remote test switch is not provided.
- Remote test input is performed when input is **CLOSED**.
- This option is not available for all configurations with controls. Please contact manufacturer to confirm.
- Minimum spacing requirement 0.04 inches.
- ELCD intended for installation within the enclosure of equipment, listed for permanent installation.
- ELCD rated for LED load: 30–52V, input voltage: 120V–277V, minimum ambient operating temperature: -30°C.
- Refer to NEC 700.24 for an ELCD intended for installation within a directly controlled luminaire.

- BLUE (Emergency Hot Switched to Load)
- YELLOW (Emergency Neutral)
- BROWN (Emergency Hot)
- WHITE (Normal Neutral)
- BLACK (Normal Hot)

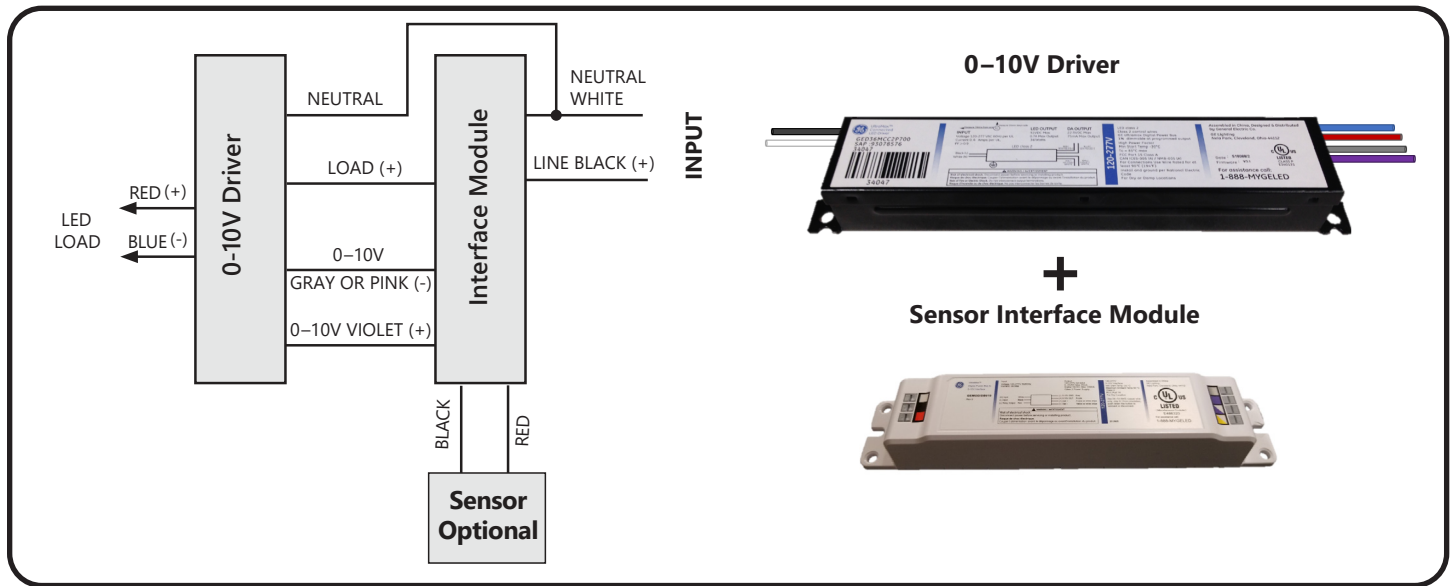
RRU-X-UNV-FM

* For further information on the bypass unit, refer to <http://www.lvscontrols.com>.

Sensor Controlled Fixtures - Control Identification

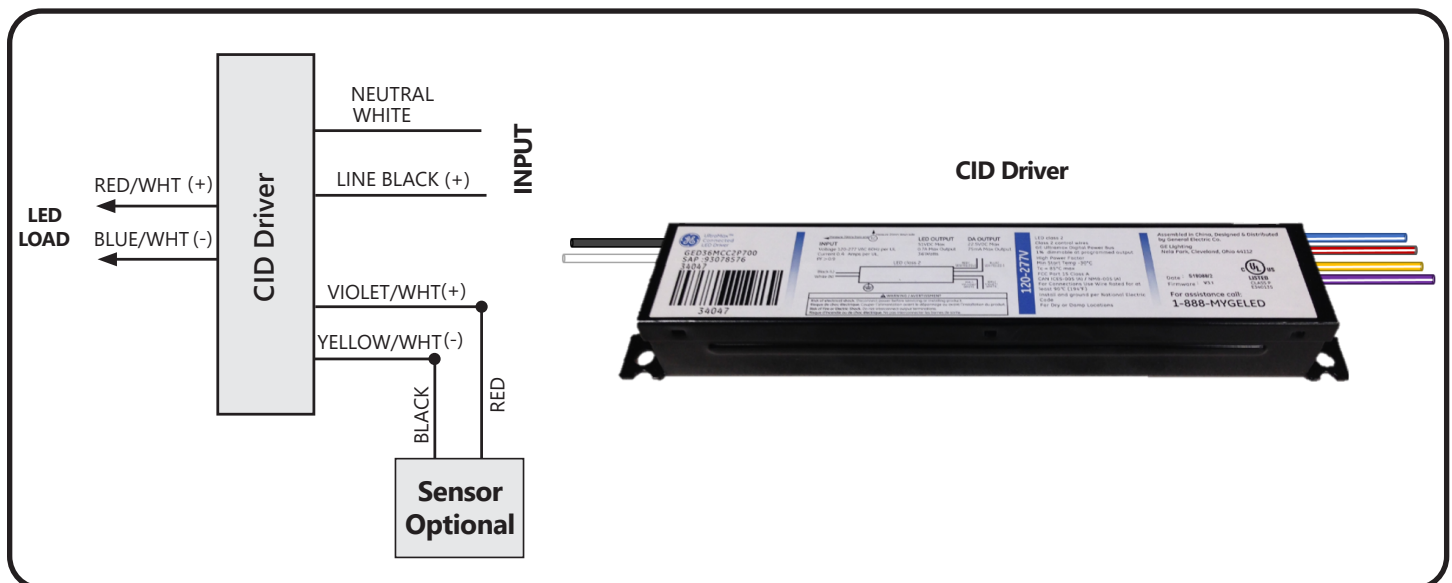
NOTE: For sensor options, EITHER an Interface Module with 0–10V Driver or CID Driver only could be integrated in to the fixture. There may be no identification in cat logic as to which solution is used. For replacement components make sure the correct electronics are ordered and used.

Interface Module with 0–10V Driver



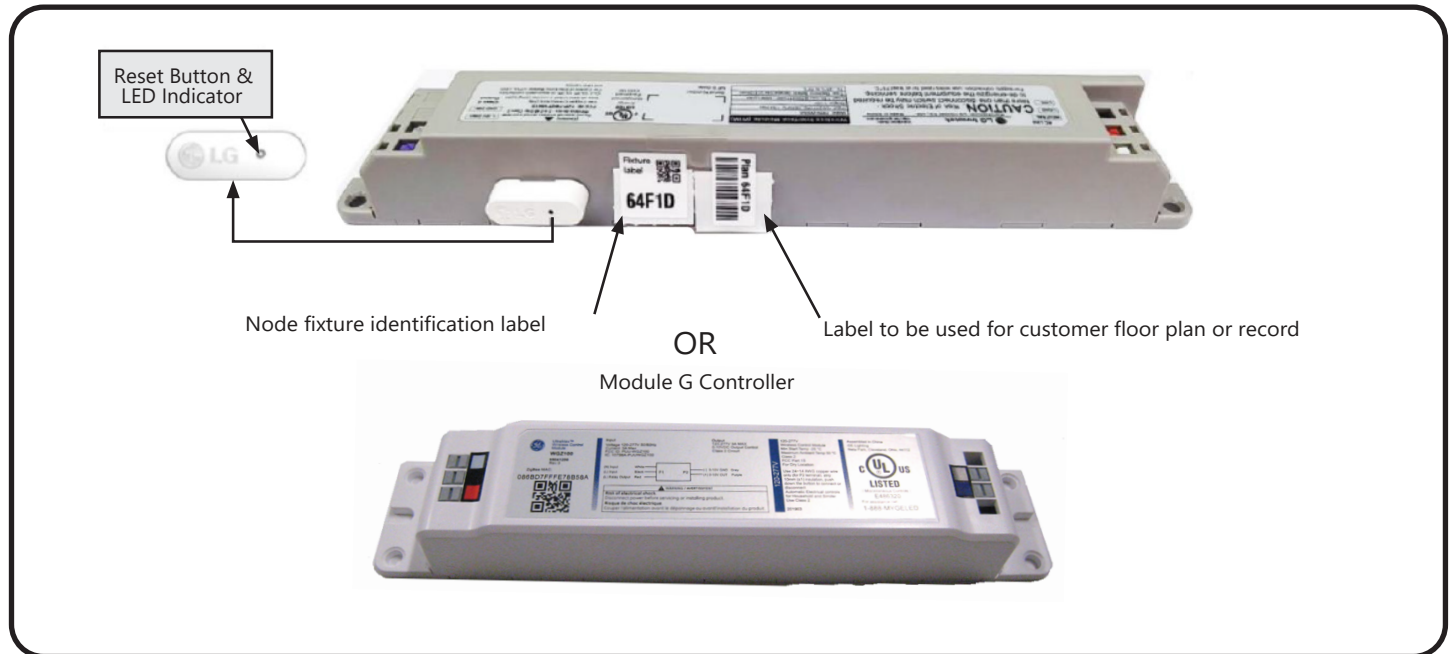
CID Driver (Controls Integrated Driver)

NOTE: CID has controls built in and is equal to the Interface with 0–10V Driver configuration. When a CID is used, there is no 0–10V interface option.



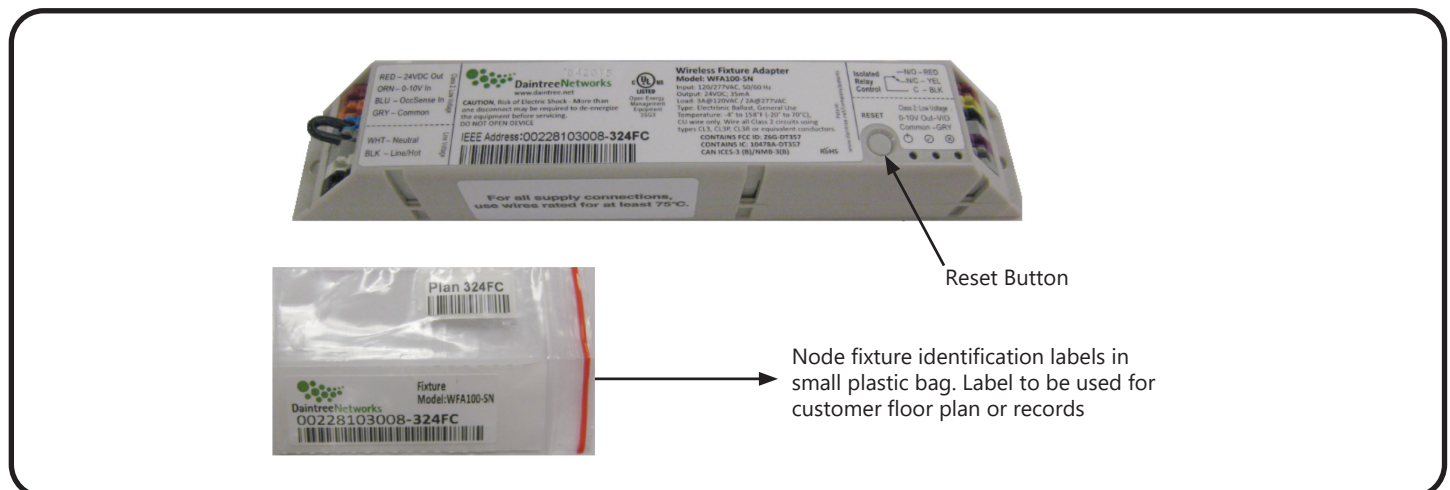
NOTE: CID Driver has “DALI Style” Lead (Yellow/White and Violet/White). These are NOT to be used for 0–10V dimming.

Daintree-compatible Controller (TQ catlogic)



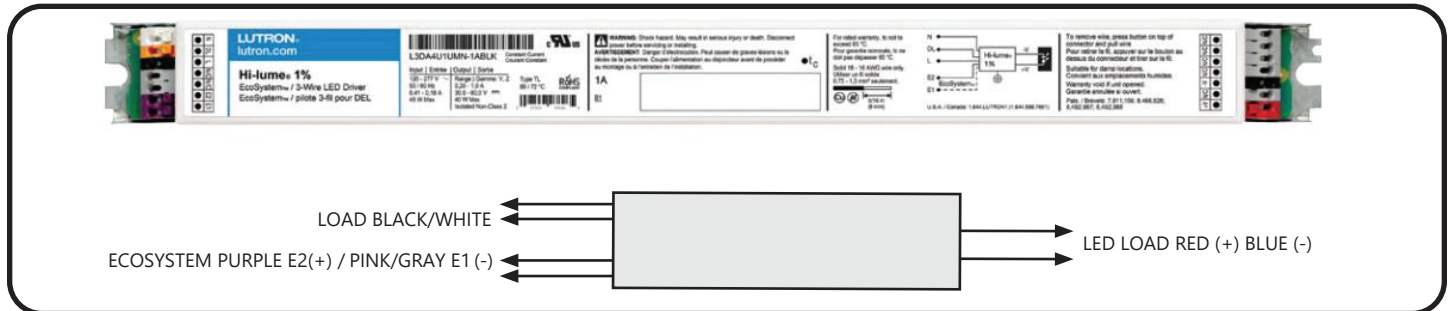
LABELS: The labels can be visible either on the control unit itself or near the fixture labels on the outside of the luminaire. These labels can be left in the same visible spot, or they may be placed in an area that is more convenient for identification.

Daintree Controller (TS Catlogic)



LABELS: The labels are in a small plastic bag and can be visible either on the control unit itself or near the fixture labels on the outside of the luminaire. These labels can be left in the same visible spot, or they may be placed in an area that is more convenient for identification.

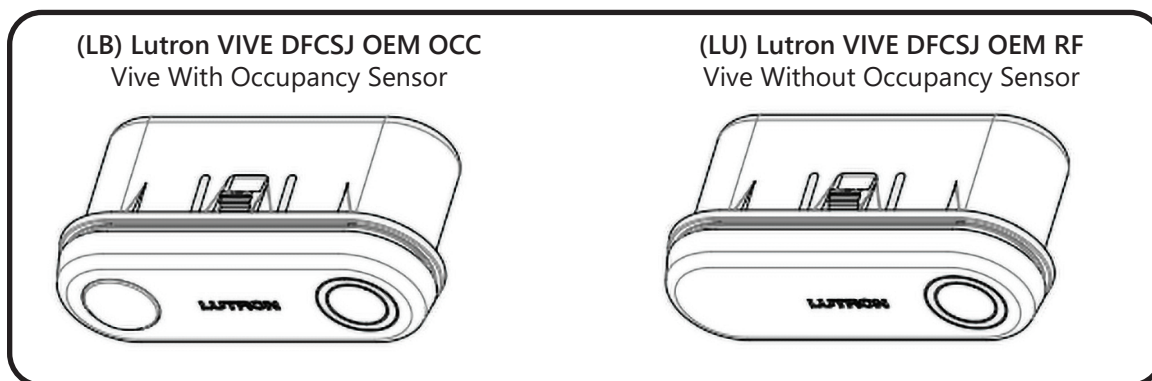
Lutron EcoSystem (LE Catlogic)



For more detailed information on Lutron EcoSystem please reference the link below:

<https://www.lutron.com/en-US/Products/Pages/In-FixtureTechnologies/Drivers/Overview.aspx>

Lutron Vive Sensors (LB or LU Catlogic)



For more detailed information on Lutron sensors please reference:

<https://www.lutron.com/TechnicalDocumentLibrary/3691039.pdf>

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. CAN ICES-005 (A) / NMB-005 (A). Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment. This product is intended for commercial use only.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met 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 purposes, the matter should be referred to Current.