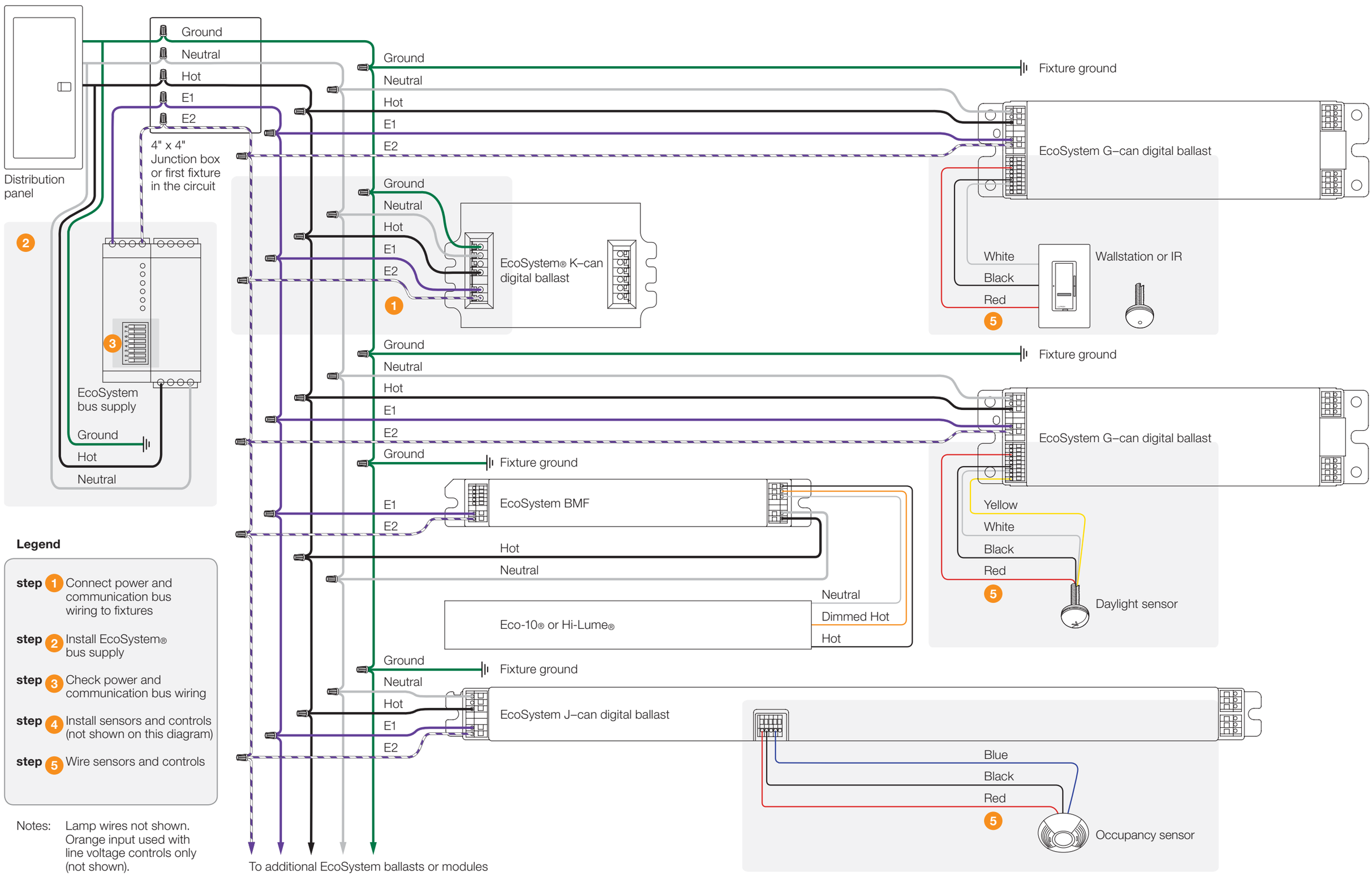
Wiring diagram



Legend

step 1 Connect power and communication bus wiring to fixtures

step 2 Install EcoSystem® bus supply

step 3 Check power and communication bus wiring

step 4 Install sensors and controls (not shown on this diagram)

step 5 Wire sensors and controls

Notes: Lamp wires not shown. Orange input used with line voltage controls only (not shown).

EcoSystem® | Quick Install Guide

Thank you for purchasing EcoSystem® light control solutions by Lutron.

EcoSystem is an energy-efficient way to control the light in your space. These are some of the benefits that set EcoSystem apart:

- Every lighting fixture is a connection point for sensors and controls
- Sensors and controls connect to fixture with low-voltage wires and a PDA-style programmer assigns them to any fixture(s)
- No interfaces, power packs, or power rewiring
- Class 1 or Class 2 control wiring that can be in any order
- No need for separate controllers or equipment from multiple manufacturers

EcoSystem is designed to be simple, but if you have any questions that are not covered in this Quick Install Guide, visit www.lutron.com/ecosystem or call the Technical Support Center at 1.800.523.9466.

LUTRON®

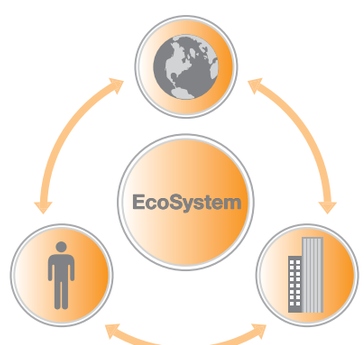
www.lutron.com

Lutron Electronics Co., Inc.
7200 Suter Road
Coopersburg, PA 18036-1299

World Headquarters 1.610.282.3800
Technical Support Center 1.800.523.9466
Customer Service 1.888.LUTRON1

P/N 367-1400

save energy with Lutron™



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EcoSystem® | Quick Install Guide

Start here

These six steps ensure the quickest installation of EcoSystem.

1. **Connect power and communication bus wiring to fixtures**
2. **Install EcoSystem bus supply**
3. **Check power and communication bus wiring**
4. **Install sensors and controls**
5. **Wire sensors and controls**

Consult individual component installation guides for details on each step.

6. **When all the steps are completed and checked, call 1.800.523.9466 to schedule on-site Lutron commissioning. (Allow 10 days for scheduling)**

Keep this document for your record.

If everything is wired correctly and issues persist, call 1.800.523.9466 for 24/7 technical assistance.

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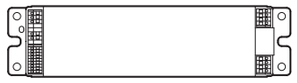
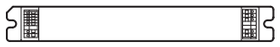
Review components

For each system ensure you have:

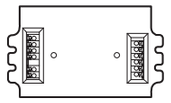
A **At least one of these (may be pre-installed in the light fixtures):**



EcoSystem G–can digital ballast



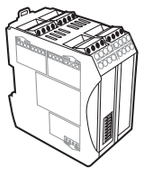
EcoSystem BMF and Eco-10® or Hi-lume®



EcoSystem K–can digital ballast

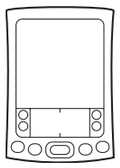
EcoSystem J–can digital ballast

C **At least one of these devices:**



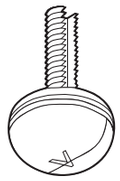
Bus supply
CS-1L-CM,
CS-1L-WM

D **A programmer to make any adjustments from the standard operation of the system:**

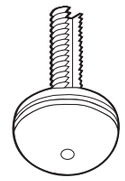


Programmer
C-PDA-CLR

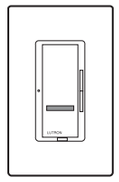
B **At least one of these devices:**



Daylight sensor
C-SR-M1-WH



IR receiver
C-R-M1-WH

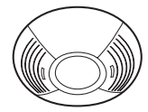


Wallstation
(1 button)
CC-1BRL-WH

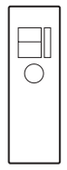
Wallstation
(4 button)
CC-4BRL-WH

E **Optional devices:**

Occupancy sensor
(wall mounted)
LOS-WDT-WH (shown)
LOS-WDT-R-WH
LOS-WIR-WH



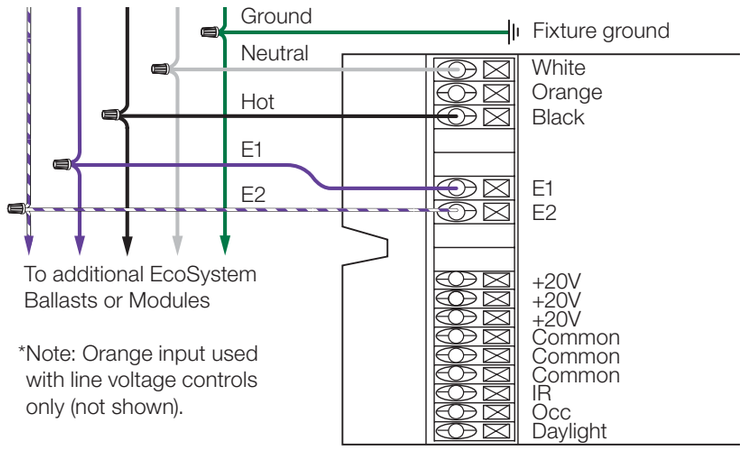
Occupancy sensor (ceiling mounted)
LOS-CUS-WH (shown)
LOS-CDT-(500, 1000, 2000)-WH
LOS-CDT-(500R, 1000R, 2000R)-WH
LOS-CIR-(450, 1500)-WH



IR handheld
control
C-FLRC-WH

step 1 Connect power and communication bus wiring to fixtures

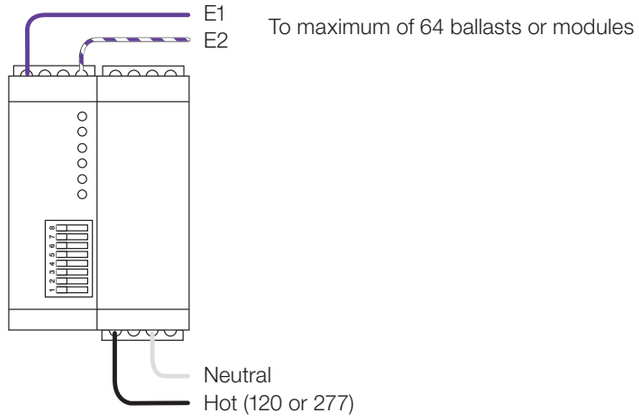
Connect power wiring (hot, neutral, ground) to each fixture.
Connect bus cable (E1, E2) to each figure.
Once complete, energize power to all fixtures, they should turn on to full brightness. If fixtures do not go to full brightness, check wiring and consult ballast installation guide.



☐ Checked by: _____

step 2 Install EcoSystem bus supply

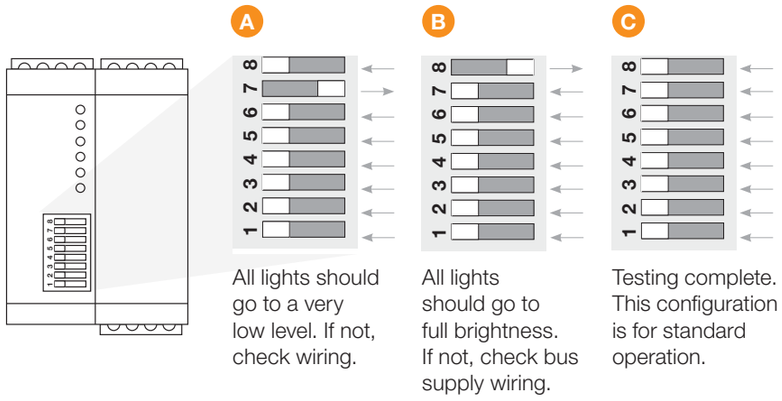
Connect power wiring (hot, neutral, ground) to the bus supply.
Connect bus cable (E1, E2) to the bus supply.
The EcoSystem bus supply will provide 18 VDC output across the E1 and E2 wires to every fixture with an EcoSystem ballast or module.



☐ Checked by: _____

step 3 Check power and communication bus wiring

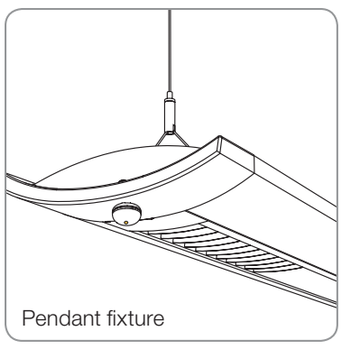
Power light fixtures and bus supply.
Use dip-switches on bus supply to check wiring.



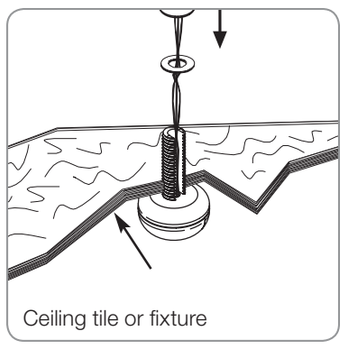
☐ Checked by: _____

step 4 Install sensors and controls

Install sensors and wallstations as shown in the drawings.
Mount daylight sensors to ceiling tiles, or bottom of pendant fixtures. Consult drawings or instruction sheets for location of the daylight sensor, occupancy sensors and wallstations.



Pendant fixture



Ceiling tile or fixture

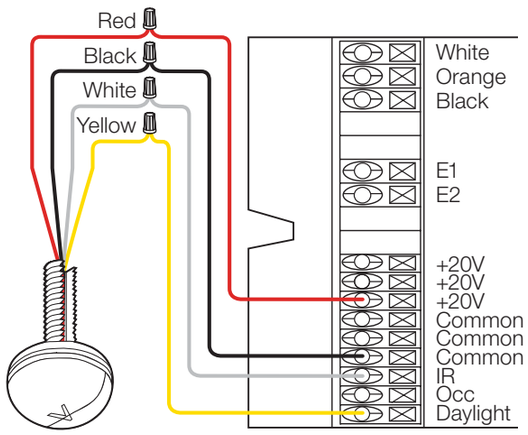
☐ Checked by: _____

step 5 Wire sensors and controls

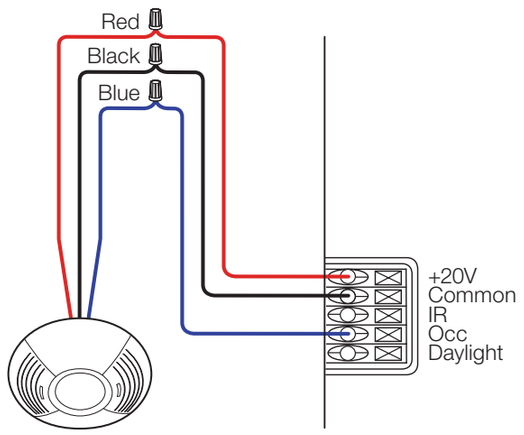
22AWG solid wire to the closest ballast or module. Do not exceed 100 ft from sensor to ballast.

Connect only one sensor to the IR and Daylight inputs.
Wire sensors to one ballast only. Sensors will be programmed to control more than one ballast.
EcoSystem CFL ballasts do not have integral sensor connections.

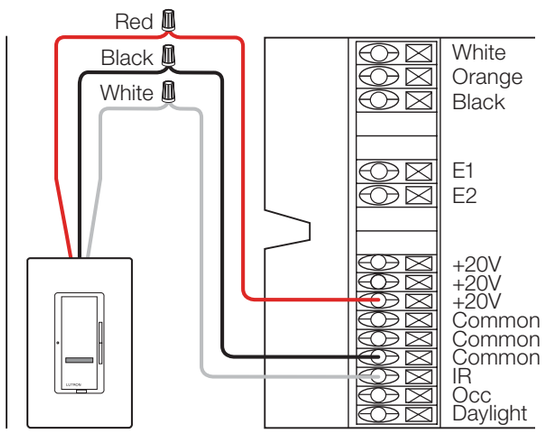
G–can with daylight sensor



J–can with occupancy sensor



G–can with wallstation



☐ Checked by: _____

*Note: Orange input used with line voltage controls only (not shown).