



# Bluetooth 0-10V Fixture Controller

The ILLUMRA Bluetooth® 3A Dimming Fixture Controller is a line-voltage controller that allows lights to be controlled, and adjust 0-10V dimming curves.

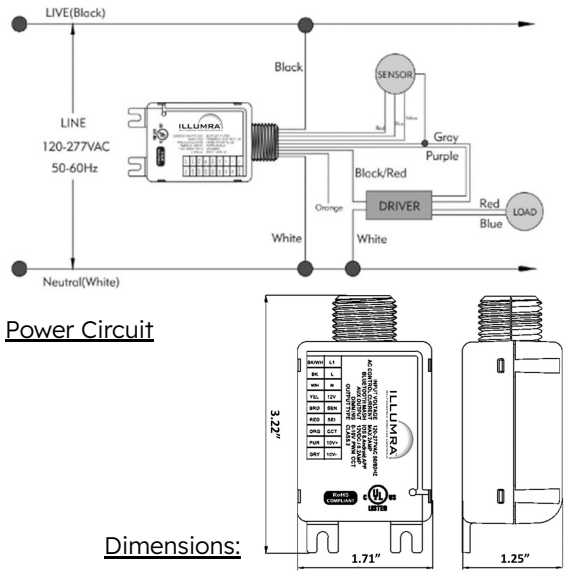
Use as part of a Bluetooth® wireless mesh control system to reduce energy consumption or to implement compliance with the latest energy regulations.



- 0-10V Dimming control for individual LED luminaires
- High End Trim programmable
- Grouping
- Time Clock Scheduling
- Admin & Personal Control
- SIMPLE To Use App



## Applications



Technical Spec:	BTX-DUV-10VFX Model
Supply Voltage	100-277 Vac 50/60 Hz
Max Load	2.5A Max
Output Aux	12Vdc / 0.2A
Dimming	0-10V sink 20mA
RF Communication	Bluetooth Protocol 2.4 GHz
Transmission Range	80 Feet (27M) Typical
Dimensions	3.22" x 1.71" x 1.25" (82x44x32mm)
Operating Temp.	+32°F to +122°F (0°C to +50°C)
Storage Temp.	-4°F to +176°F (-20°C to +80°C)
Compliance	cULus, FCC Part 15.231; FCC ID: 2ARWE01BLUSE01

## Ordering (example: BTX-DUV-10VFX):

BTX	-	D	UV	-	10V	FX
BTX = Bluetooth Controller Transceiver		D = Dimming	UV= Universal Voltage**		10V = 0-10V Dimming	FX = Fixture device

This device or certain aspects thereof is protected by at least one U.S. or International patent or has at least one such patent application pending



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## COMPATIBILITY

Name	Model	Uses
Wireless Switch	BTX-S5BWH	Wireless Wall Switch Bluetooth Mesh
LED Controller & Sensor Combo	BTX-DUV-OCC	LED Fixture Controller & Sensor W/ Daylight Harvesting Bluetooth Mesh
Wired Occupancy Sensor	NWO-OFX	Wired PIR Occupancy Sensor for Bluetooth Mesh

## LINKS

[Product Page](#)



BTX-S5BWH



BTX-DUV-10VFX



COMMISSIONING APP



Commissioning App  
Download QR Code

## BID SPECIFICATION:

### 2.4 CONTROLLERS

#### A. Basis of Design: BTX-DUV-10VFX LED Fixture Controller by ILLUMRA

1. Standards Compliance:
  - a. cULus 8750 (safety)
  - b. FCC Part 15.231, ICC 2AQ3JPPA401S
  - c. DLC NLC V5.0 listed
2. Model BTX-DUV-10VFX:
  - a. Mounting: To 1/2 inch (13 mm) electrical junction box or fixture knock-out using threaded nipple and retaining nut. Wires exit enclosure through threaded nipple.
3. Electrical:
  - a. Supply Voltage: 120-277 VAC, 50/60 Hz.
  - b. Low voltage Dimming (0-10V): for LED drivers.
  - c. 12Vdc Source 200mA.
  - d. Radio: 2.4 GHz Bluetooth. Other frequency radios are not acceptable.
  - e. Radio Range: Commercial Office Space: 30 ft (10 m). Open Space: 80 ft (27 m).
4. Functional:
  - a. Switching and/or low voltage dimming control for individual light fixtures.
  - b. Wireless ILLUMRA switches and sensors for grouping control.
  - c. Central Command functions for use with integrated control systems.
  - d. Commissioning and linking through software and/or mechanical means.
  - e. Configuration variables that allow customization of controllers operation with grouped sensors, switches, and gateways.
  - f. Save configuration settings and linked device details in non-volatile memory.
    - 1) Save user-defined configuration settings and linked devices as recoverable default settings.
  - g. Provide method of resetting to factory defaults.