

PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_  
 FIXTURE TYPE: \_\_\_\_\_  
 NOTES: \_\_\_\_\_



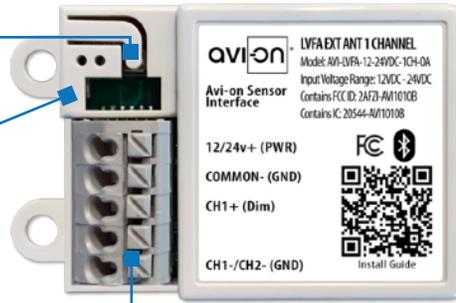
## LVFA Low Voltage Fixture Adapter

Fixture-integrated Adapter works with any Dim-to-Off 0-10V fixture

**Status LEDs & Config Button**  
 Quick and easy validation of wiring and network

**Direct Connect Sensor Port**  
 Simple and cost-effective addition of Avi-on sensors

**Terminal Blocks & Mounting Tabs**  
 Faster, easier, and lower cost installation eliminating connectors



**Internal Antenna**  
 Improves performance and eliminates risk of accidentally cutting hanging wire

Images are shown for illustration purposes only.

### Description

The LVFA series fixture adapter mounts inside lighting fixtures providing addressability for each luminaire. All fixture adapters are part of the Avi-on Bluetooth with Mesh product ecosystem supported by a rich App and cloud infrastructure.

### Operation

The fixture adapter requires 12-24V DC. It must be powered by either an LED driver with AUX output or an external Avi-on power supply. Once powered up and added to the network, the fixture adapter dim lighting loads in response to the input from communicating devices.

### Applications

This family of low voltage fixture adapters is ideal for controlling any lighting fixture that utilizes 0-10V dim-to off drivers. Its compact size makes it easy to fit inside most indoor fixtures such as flat panels, troffers, retrofit kits, linear architectural fixtures and other luminaires for offices and schools applications.

It is also a great solution for other commercial and industrial projects such as warehouses, gymnasiums, common areas, or manufacturing plants using high bays, vapor tight, utility wraps, etc.

In addition, our 2-channel 0-10V model is ideal for projects with tunable white requirements, where one channel is used to adjust the color temperature (CCT) and the other the light level. Finally, our optional external antenna model is well suited for outdoor luminaires such as area lights, floods, canopies, and other garage fixtures.

Product	Description	Application	Input Voltage
AVI-LVFA-1CH-12-24VDC	Fixture Adapter, Single Channel 0-10V, Dim-to-off Driver	Indoor	12-24V DC
AVI-LVFA-2CH-12-24VDC	Fixture Adapter, Dual Channel 0-10V, Dim-to-off driver, Tunable White	Indoor, CCT	12-24V DC
AVI-LVFA-12-24VDC-OA	Fixture Adapter, Single Channel 0-10V, Dim-to-off Driver, External Antenna	Outdoor	12-24V DC

## SPECIFICATIONS

**Input Voltage:**

12-24V DC

**Wireless Standard:**

BLE 4.2 with Mesh

**Terminal Blocks:**

22-16 AWG wires

**0-10V Dimming:**

5mA per Channel

**Point to Point Range:**

80ft with obstructions  
350ft unobstructed

**Security:**

AES 128-bit encryption for device to device communication  
AES 256-bit encryption for device to cloud communication

**Ambient Operating Temperature:**

-22F to 158F (-30C to 60C)

**Weight:**

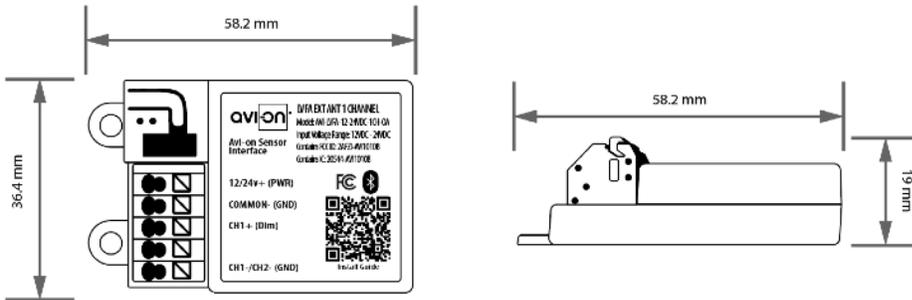
0.45oz (16g)

**Storage Temperature:**

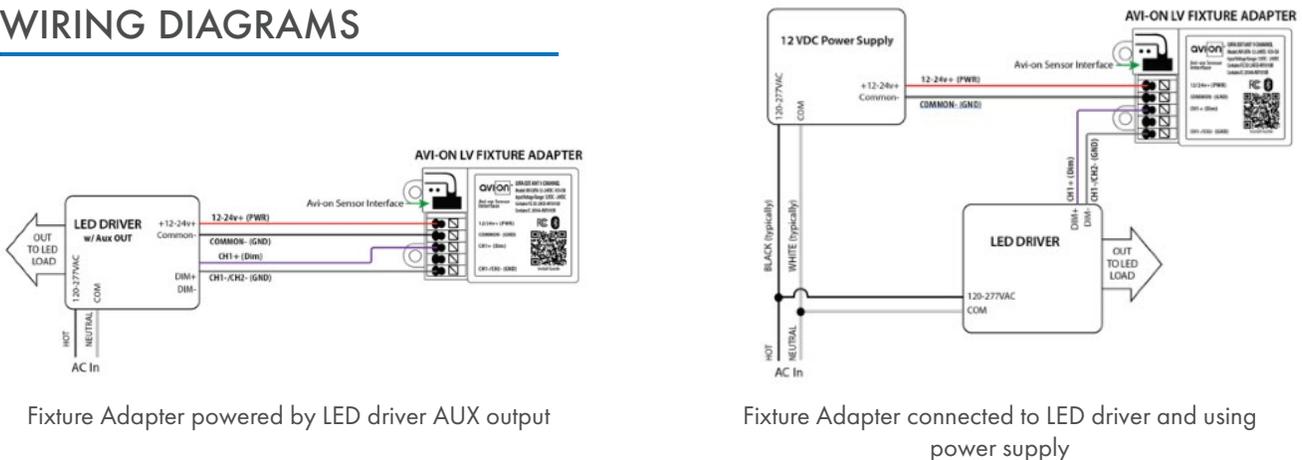
-40F to 185F (-40C to 85C)

\*Note: Operating controller at or above these levels may result in damage to components/product

## DIMENSIONS



## WIRING DIAGRAMS



Fixture Adapter powered by LED driver AUX output

Fixture Adapter connected to LED driver and using power supply