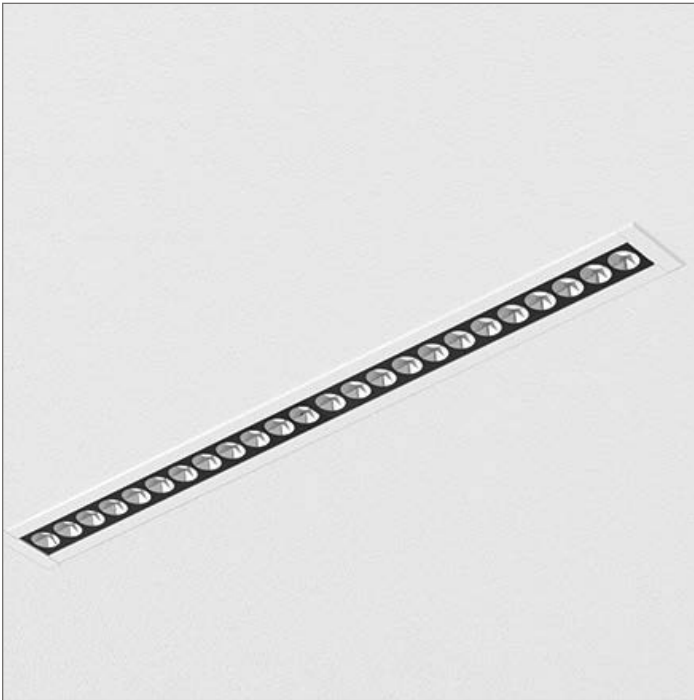


## MICRODash Recessed

High Performance, Sub 1.5" Form Factor






Integral OR Remote Driver



### MICRODash Recessed

MICRODash Series

#### Warnings

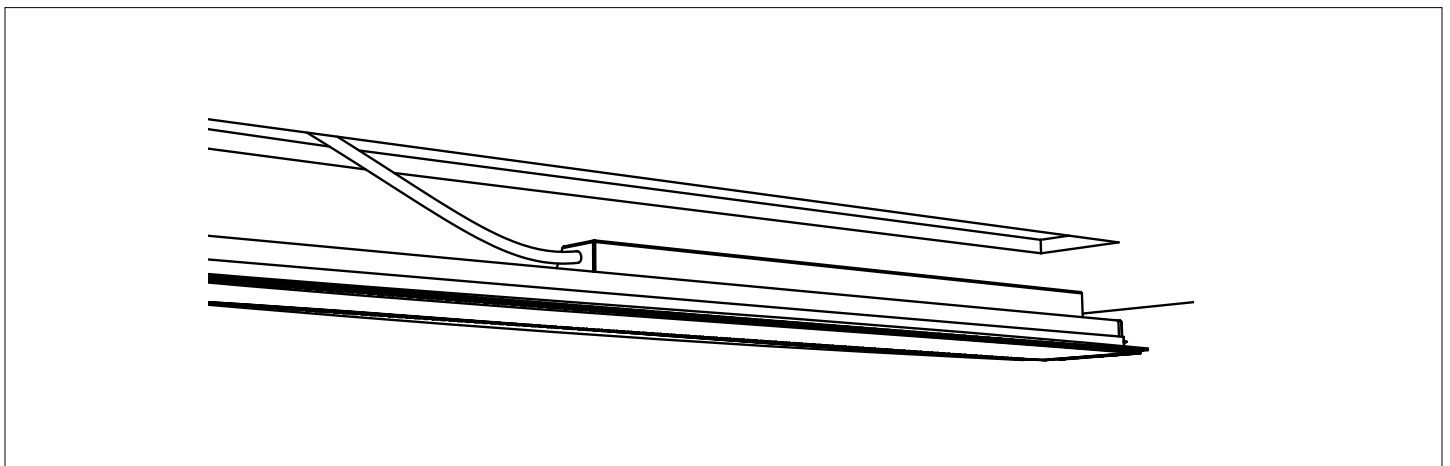
-  Risk of fire and electrical shock
-  Turn off power at breaker
-  Installation requires knowledge of electrical systems and should be installed by a qualified electrician. If not qualified, **DO NOT ATTEMPT INSTALLATION.**

#### Care Instructions

-  Wipe with a soft cloth only
-  Always avoid using harsh chemicals and/or cleaners

### STEP 1 — Install Remote Driver

Connect power to the MICRODash fixture. An enclosed Driver Box is provided which is fastened to the top of the fixture housing. Check to make sure there is a secure connection and that the fixture works before proceeding to the next step. Refer to the wiring diagram.



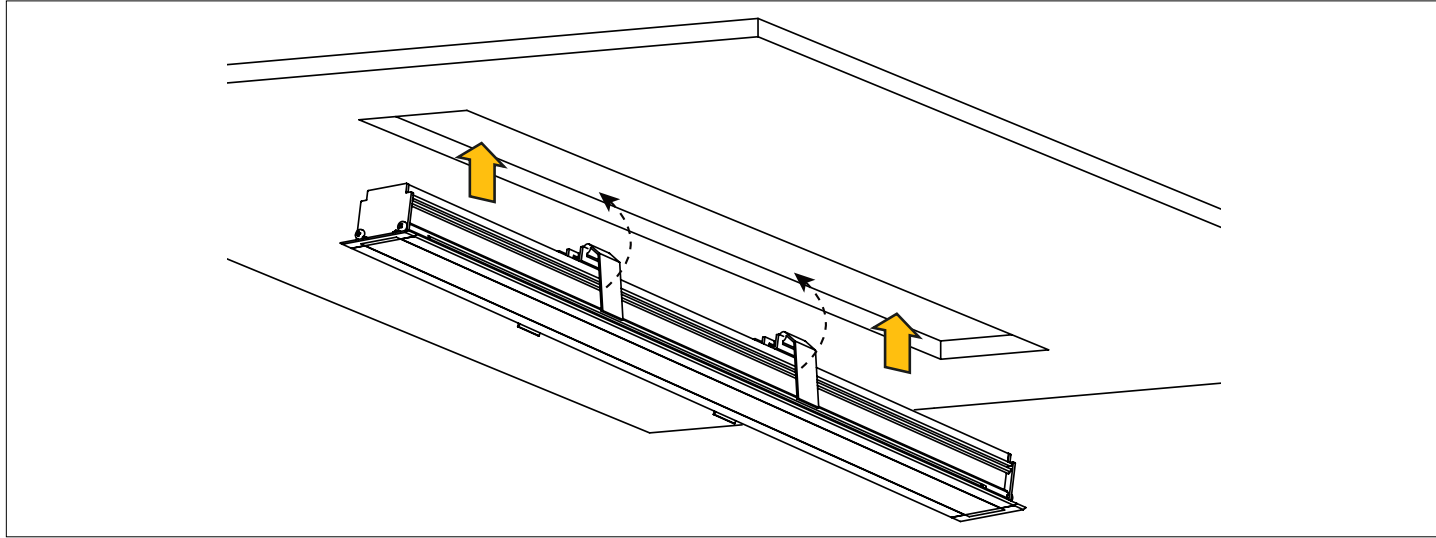
Designed & Built in  
**BOSTON**

**Declare**



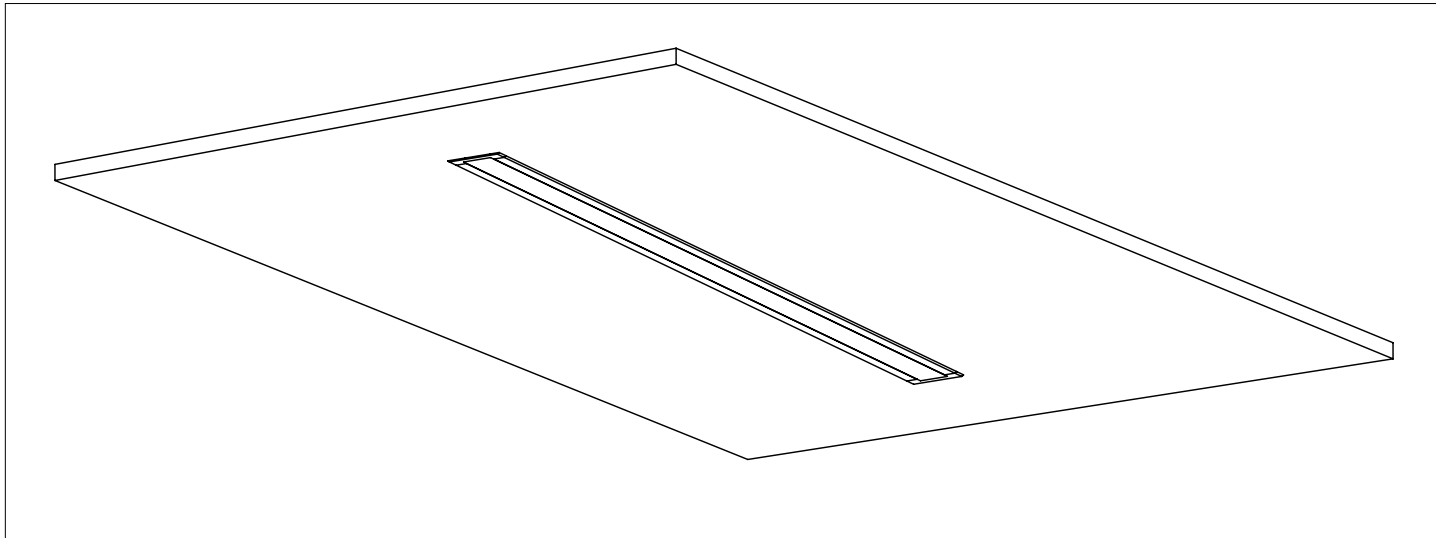
**STEP 2 — Install Fixture**

Turn up the Mounting Springs and fit the MICRODash fixture through the drywall cutout.



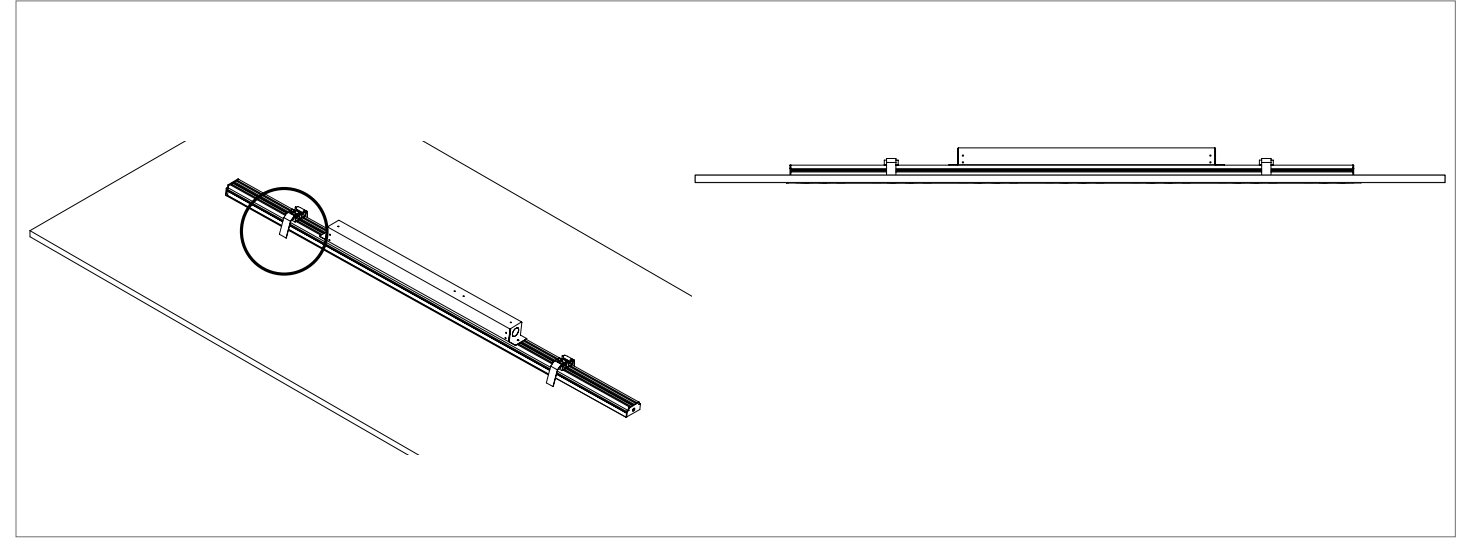
**STEP 3 — Finish Fixture Installation**

The Mounting Springs will pull the MICRODash fixture up to the mounting surface and complete the fixture installation.



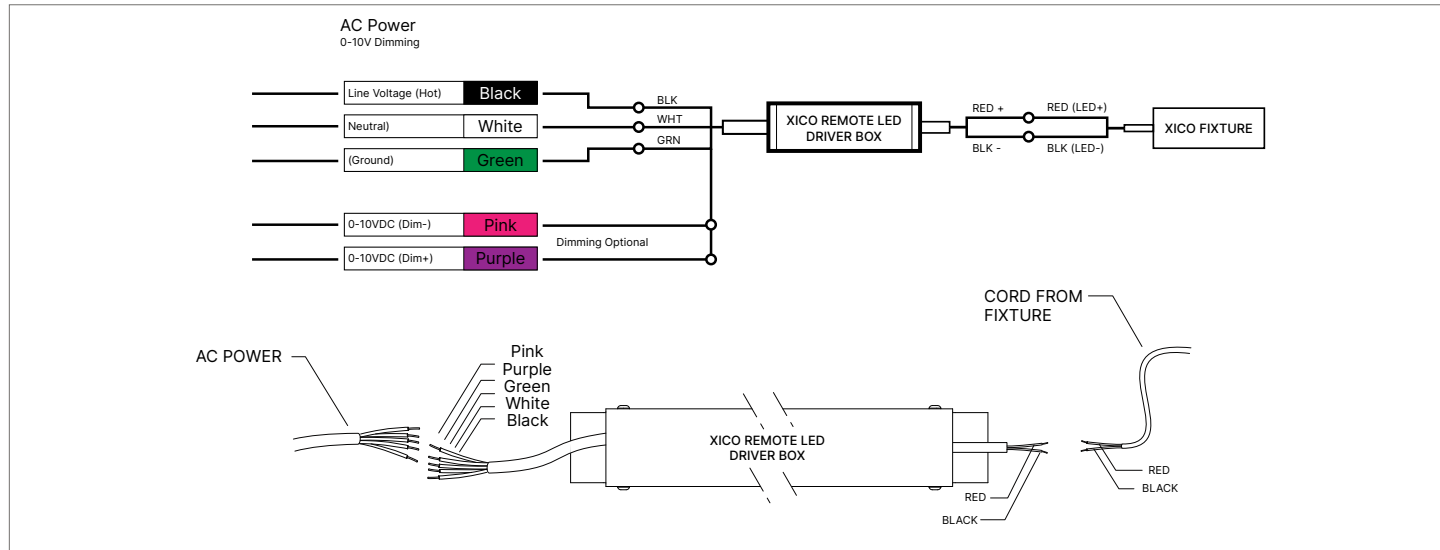
**STEP 4 — Final Product**

The Mounting Springs push against the top of the drywall surface and hold the MICRODash fixture in place.



Wiring Guide

Wire the Power Feed End to the J-Box.



Voltage Drop

24 VDC and Wire Length Chart (Driver to Fixture)

XICO LED Fixture with Remote Drivers

When installing a XICO fixture with a remote driver and the distance is a long way from the fixture, it is important to properly specify the correct wire gauge (AWG/ or thickness of wire) for the distance of wire required. The maximum remote mounting distance is a function of the total voltage-drop across the output of the LED Driver.

How to Use the Chart

- Step 1:** Calculate the total wattage of the LED lighting system (round up to the nearest 10 W).
- Step 2:** Find the wattage in the top row and follow the column down to maximum length (round up) of wiring between the LEDs and the power supply.
- Step 3:** Look to the left column for the wire gauge size required to prevent voltage drop over 3%.

| Maximum Cable Length from Remote Driver to Fixture — 24 VDC Driver |                           |        |        |        |        |        |        |       |       |       |
|--|---------------------------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| Wire Gauge   | Total Fixture Wattage (W) |        |        |        |        |        |        |       |       |       |
|  | 10 W                      | 20 W   | 30 W   | 40 W   | 50 W   | 60 W   | 70 W   | 80 W  | 90 W  | 100 W |
| 18 AWG   | 134 ft                    | 68 ft  | 45 ft  | 33 ft  | 27 ft  | 22 ft  | 19 ft  | 17 ft | 15 ft | 14 ft |
| 16 AWG   | 215 ft                    | 109 ft | 72 ft  | 54 ft  | 43 ft  | 36 ft  | 31 ft  | 27 ft | 24 ft | 22 ft |
| 14 AWG   | 345 ft                    | 174 ft | 115 ft | 86 ft  | 69 ft  | 57 ft  | 49 ft  | 43 ft | 39 ft | 36 ft |
| 12 AWG   | 539 ft                    | 272 ft | 181 ft | 135 ft | 108 ft | 90 ft  | 77 ft  | 68 ft | 62 ft | 56 ft |
| 10 AWG   | 784 ft                    | 397 ft | 263 ft | 197 ft | 158 ft | 131 ft | 112 ft | 98 ft | 95 ft | 82 ft |

Remote Driver to Fixture Example

- Calculate total load**  
An 8 ft fixture using 4 W/ft requires a total of 32 W. Round up to the nearest load of 40 W.
- Find distance from driver to Load**  
Let's assume the distance is 40 ft from the driver to the fixture. Round up to the nearest distance of 54 ft.
- Choose wire gauge**  
It's recommended to install 16 AWG wire between the driver and fixture to eliminate noticeable voltage drop.