EDGESolo Surface

Control & Performance with Light Guides

Remote Driver

EDGESolo Surface

EDGESolo Series

Warnings

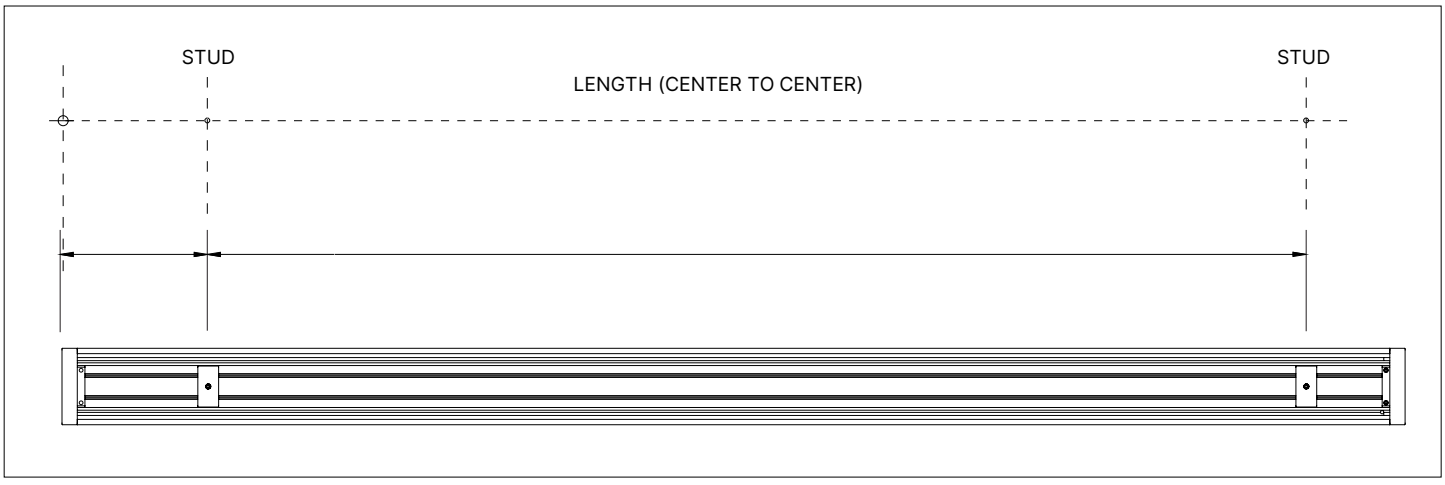
- Risk of fire and electrical shock
- Turn off power at breaker
- Installation requires knowledge of electrical systems and should be installed by a qualified electrician. If not qualified, **DO NOT ATTEMPT INSTALLATION**.

Care Instructions

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

STEP 1 — Mounting Clip Location

Mounting clips are adjustable. Locate a secured stud when possible for each bracket. Using a straight edge, mark the locations for each mounting clip.



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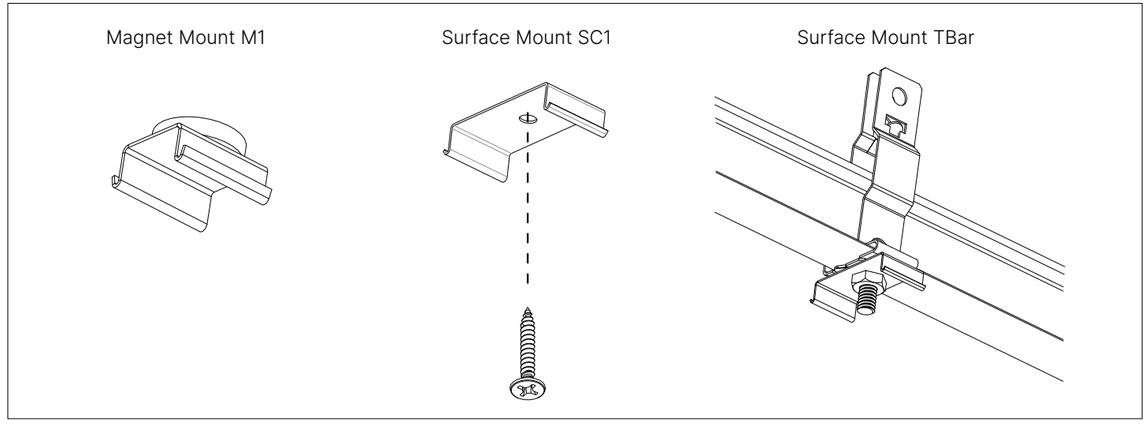
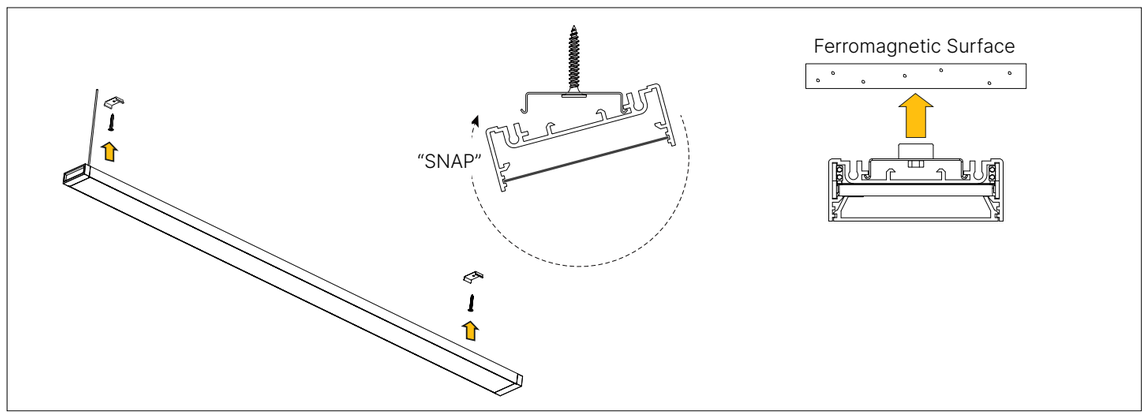
STEP 2 — Install Mounting Clips

Secure the Mounting Clips to the mounting surface with the appropriate hardware.



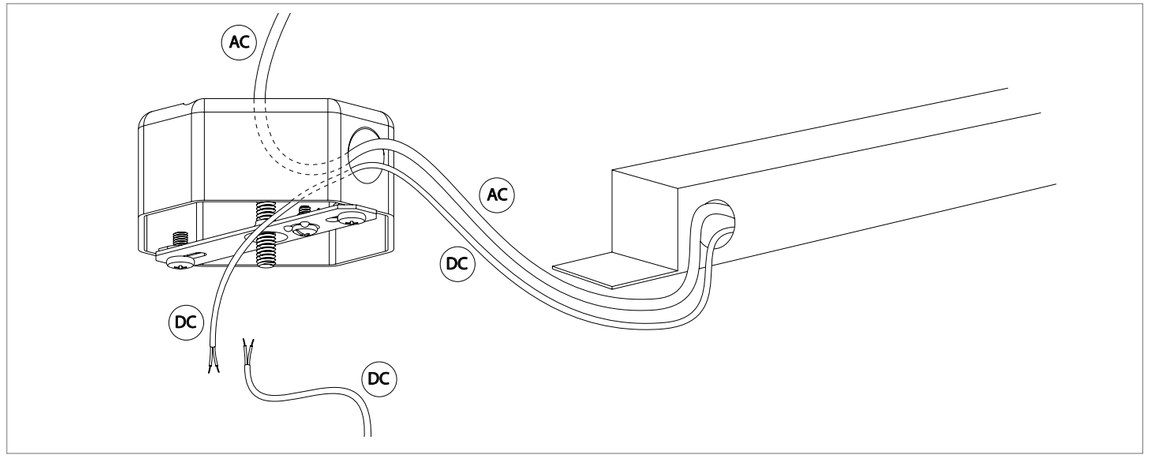
STEP 3 — Mounting EDGESolo Fixture

Feed the power cable to the Remote Driver and raise the EDGESolo fixture to the mounting surface, snapping it into the Mounting Clips. Push up to fully enage the clips. If using a magnet mount, you can pre-install the clips and raise the fixture to the magnetic surface.



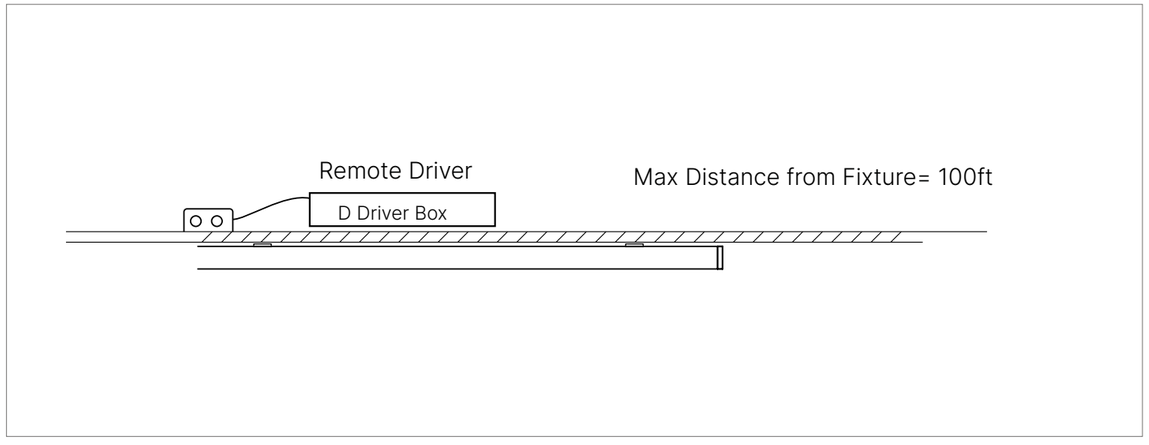
STEP 4 — Install Remote Driver Box

Connect the DC wires from the fixture to the Remote Driver Box. Connect the AC power to the Remote Driver Box. Refer to the wiring diagram.



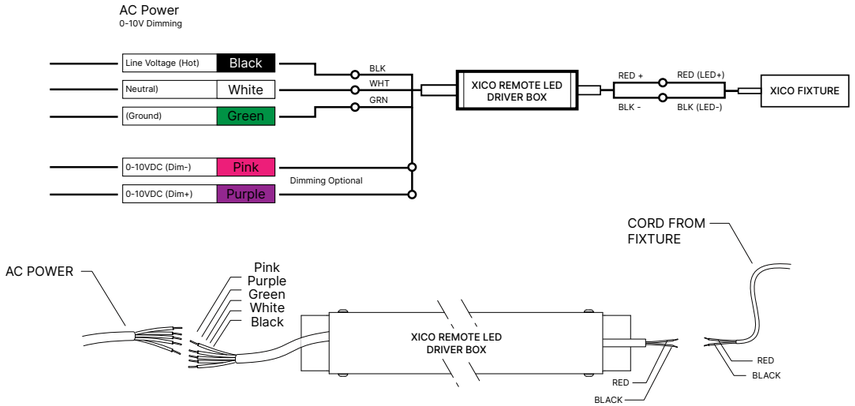
STEP 4 — Final Installation

Restore Power.



Wiring Guide

Wire the Power Feed End to the J-Box and secure the Canopy to the J-Box or Power Source.



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Voltage Drop

24 VDC and Wire Length Chart (Driver to Fixture)

XICO®

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.

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