






GRIDSlot1

GRIDSlot Series

Warnings

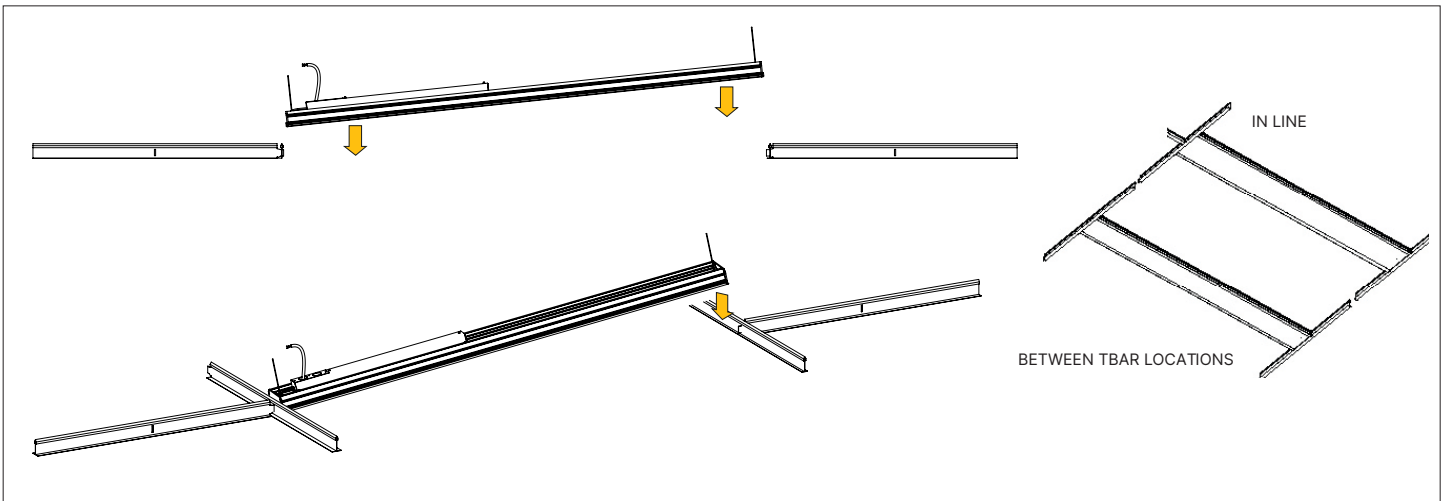
-  Risk of fire and electrical shock
-  Turn off power at breaker
-  Installation requires knowledge of electrical systems and should be installed by a qualified electrician. If not qualified, **DO NOT ATTEMPT INSTALLATION.**

Care Instructions

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

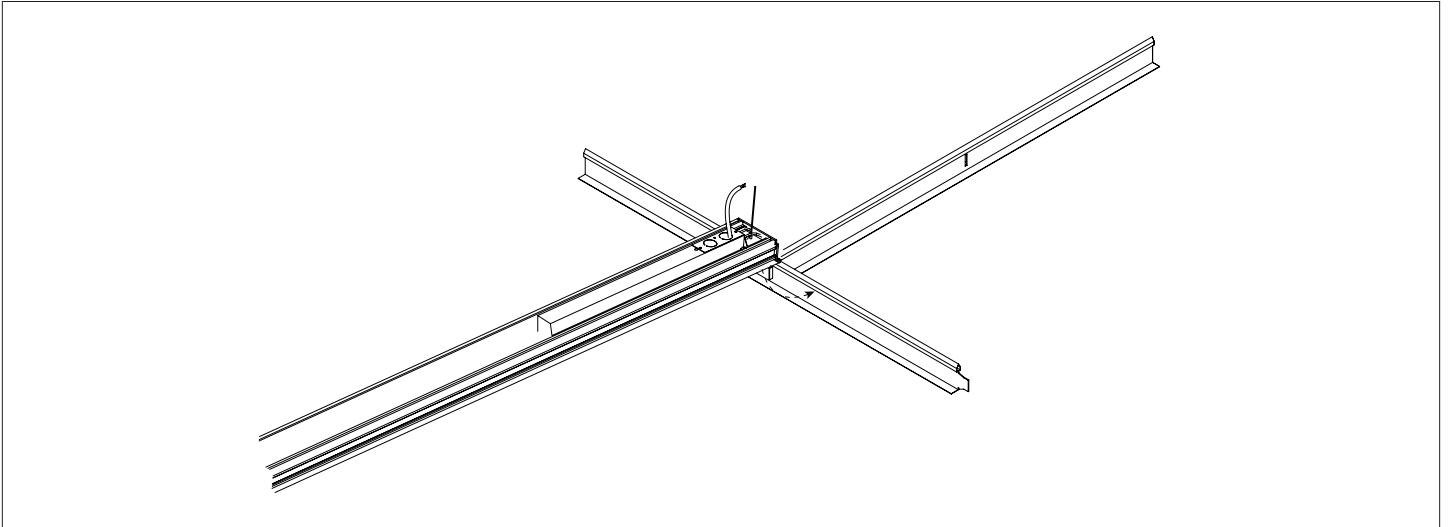
STEP 1 — Fixture Placement

Once the grid structure has been installed, engage the GRIDSlot1 fixture into the desired location. Insert one end of the fixture at an angle and then the opposite end.



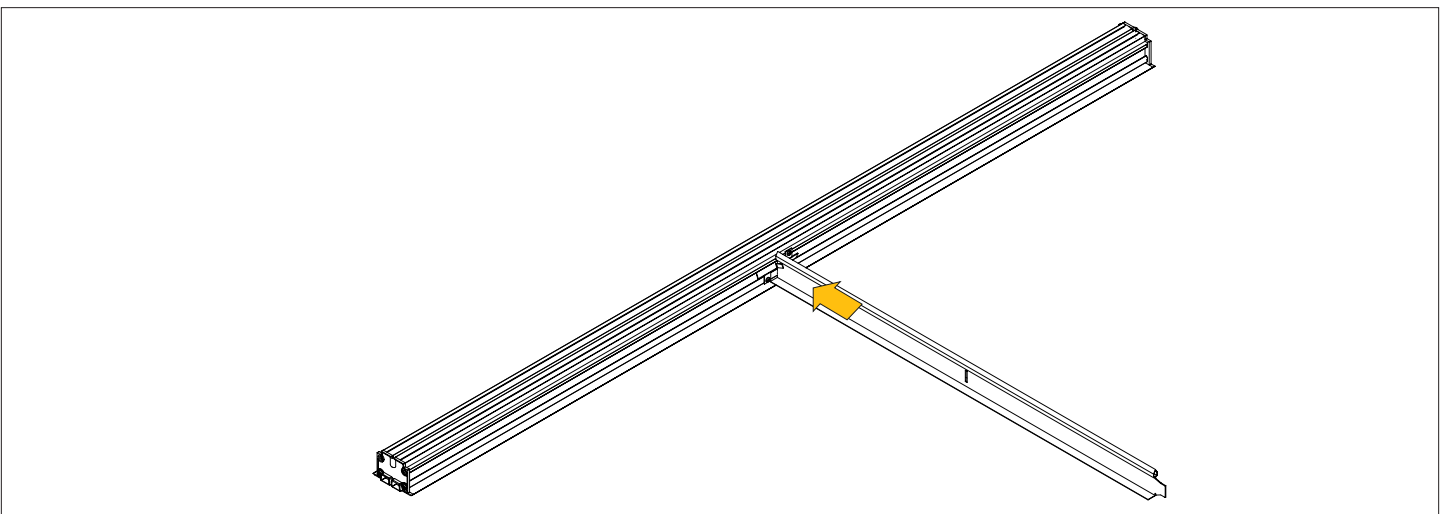
STEP 2 — Fixture Location

The GRIDSlot1 fixture can be installed in line, replacing a TBar or freely between TBar locations. When installing in line, you may be required to fold over the TBar fin, to allow clearance for the end cap.



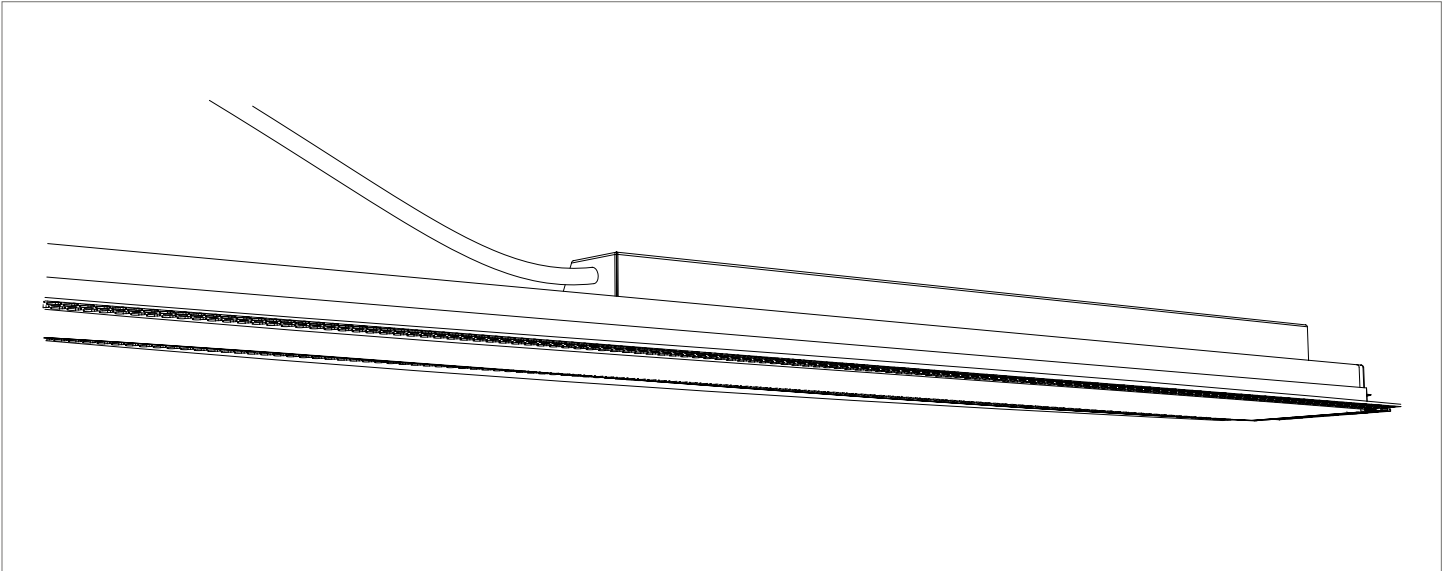
STEP 3 — TBar Fins

If required, TBar Fins are included and can be installed anywhere along the GRIDSlot1 fixture body to receive a TBar that runs perpendicular to the fixture.



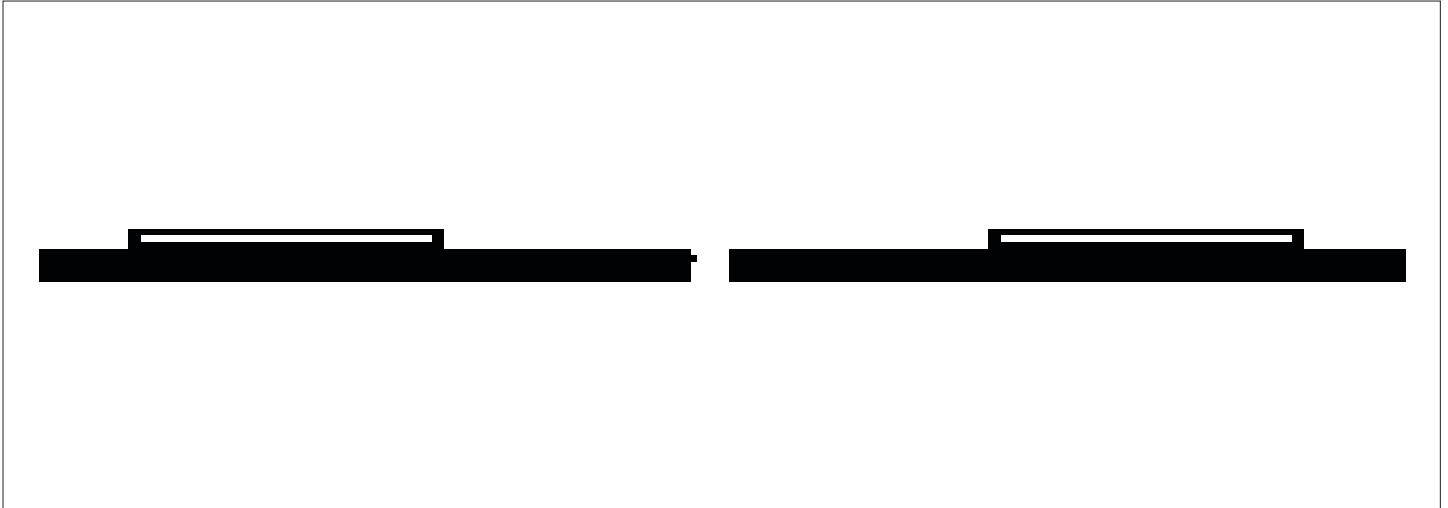
STEP 4 — Install Driver Box

An enclosed Driver Box is provided which is either fastened to the top of the GRIDSlot1 fixture housing or loose for remote installation. Connect the fixture's Driver Box wires to the power source. Add structural supports as needed. Refer to the wiring diagram.



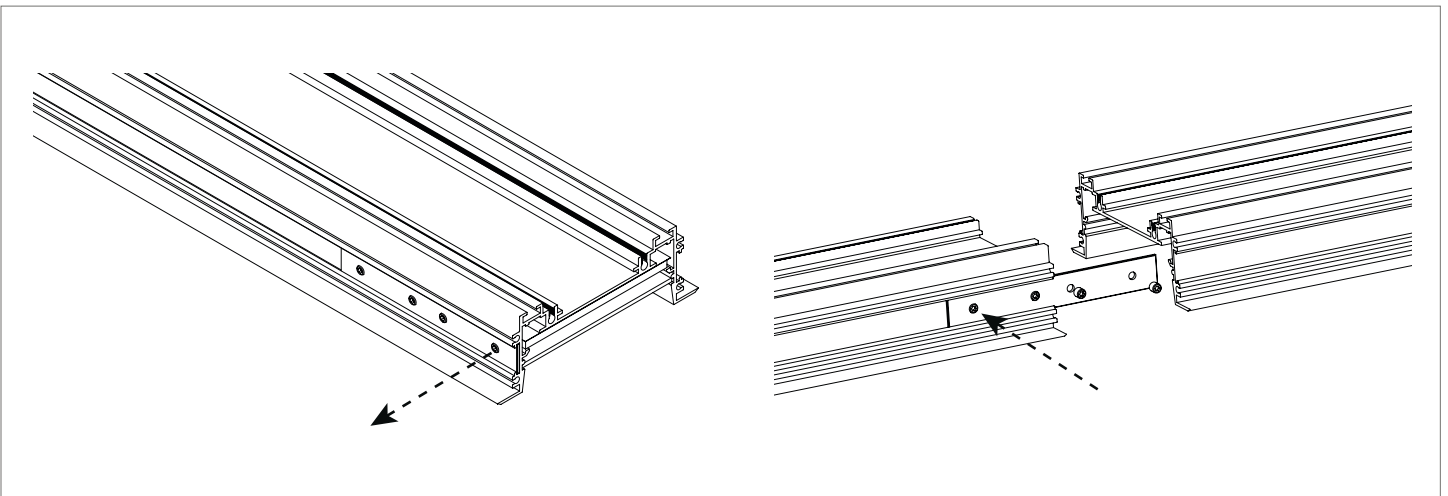
STEP 1 — Final Installation

Place the 2 GRIDSlot1 fixtures on a flat and clean surface with the open ends facing each other. The joiner bracket will be pre-installed in one of the fixtures.



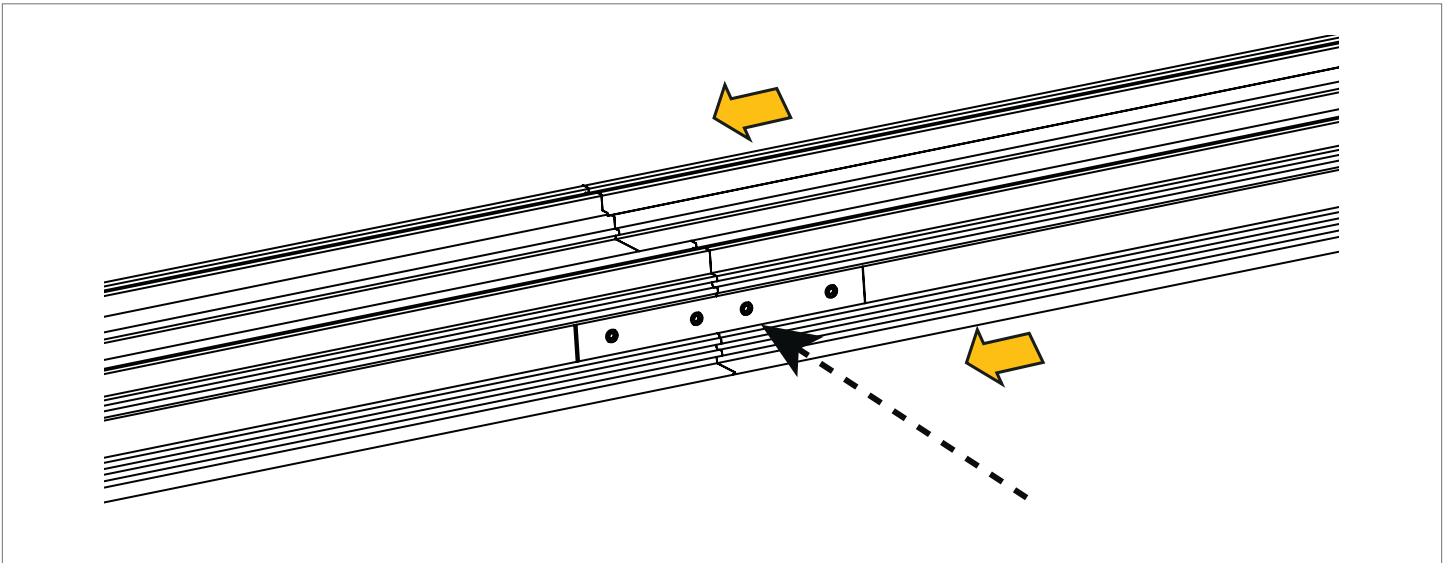
STEP 2 — Engage the Joiner Bracket

You may be required to loosen a screw to free up the Joiner Bracket. Center the Joiner Bracket between the 2 GRIDSlot1 fixtures. Secure one side of the Joiner Bracket to the fixture housing.



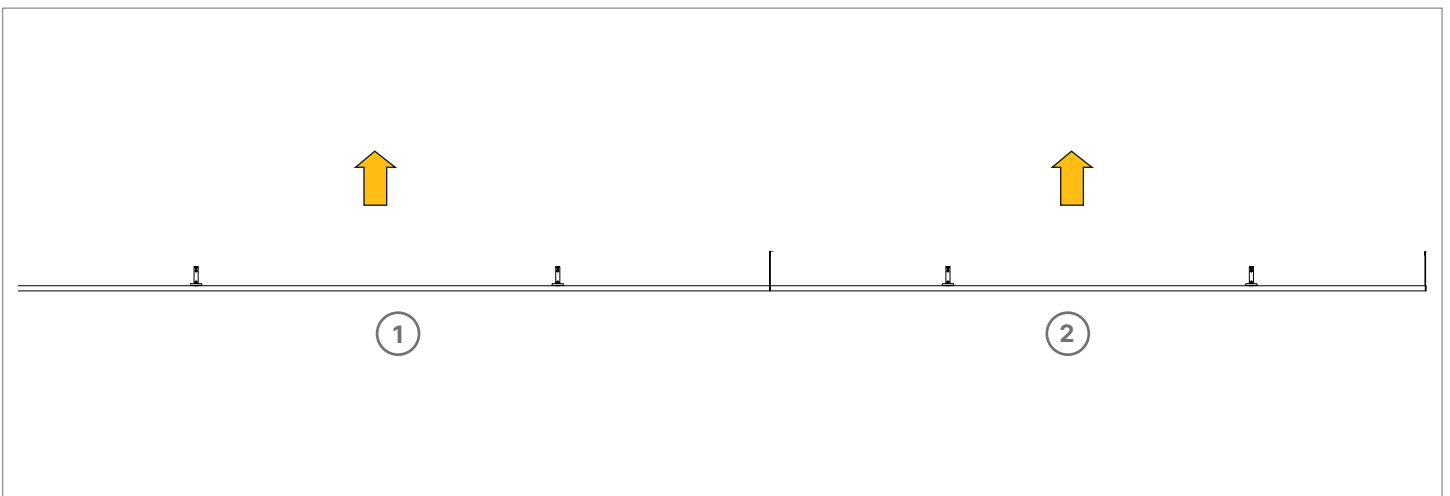
STEP 3 — Tighten the Joiner Bracket

Pull the GRIDSlot1 fixtures together and tighten the remaining screws. Repeat steps depending on your fixture amount.



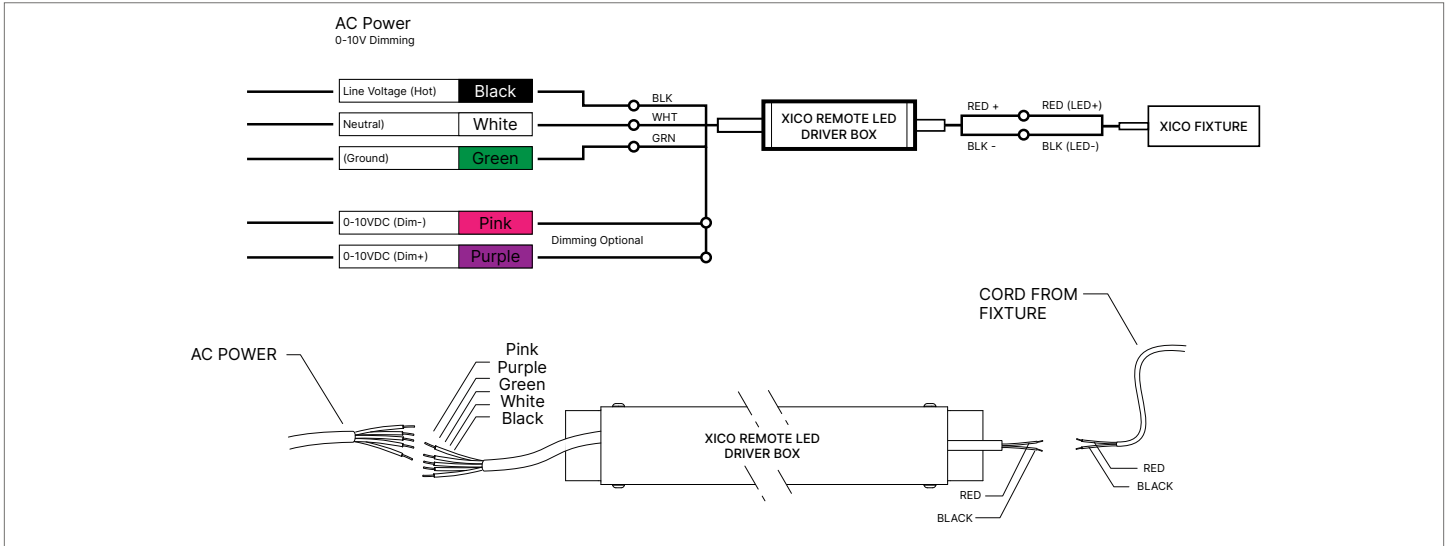
STEP 4 — Mounting Fixture

Mount fixture to TBar with provided TBar clips. Refer to previous pages on how to mount fixtures to TBar. Refer to previous instructions for connecting power.



Wiring Guide

Wire the Power Feed End to the J-Box.



Voltage Drop

24V DC and Wire Length Chart (Driver to Fixture)

FlexGrid LED Fixture with Remote Drivers

When installing a FlexGrid 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 32W. Round up to the nearest load of 40W.

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.

