

**USG CEILINGS PLUS®
BARZ®+BRILLIANCE™**

BAFFLES WITH INTEGRATED
LINEAR LED LIGHTING

INSTALLATION GUIDE



CEILINGS PLUS™

Introduction

Barz®+Brilliance™ - ceiling solution with integrated LED Lighting provided by **USG Ceilings Plus**.

We will clarify both electrical and carpenter trades scope of work as well as providing you with general steps and procedures on how to properly and safely install the ceiling systems.

Please read this entire manual and familiarize yourself with all procedures before you begin. Please use the install drawings specific to your job for proper planning according to the final RCP layout.

Any details within those documents will supersede this manual. Work area must be clear of debris and obstacles to ensure a safe and fast installation.

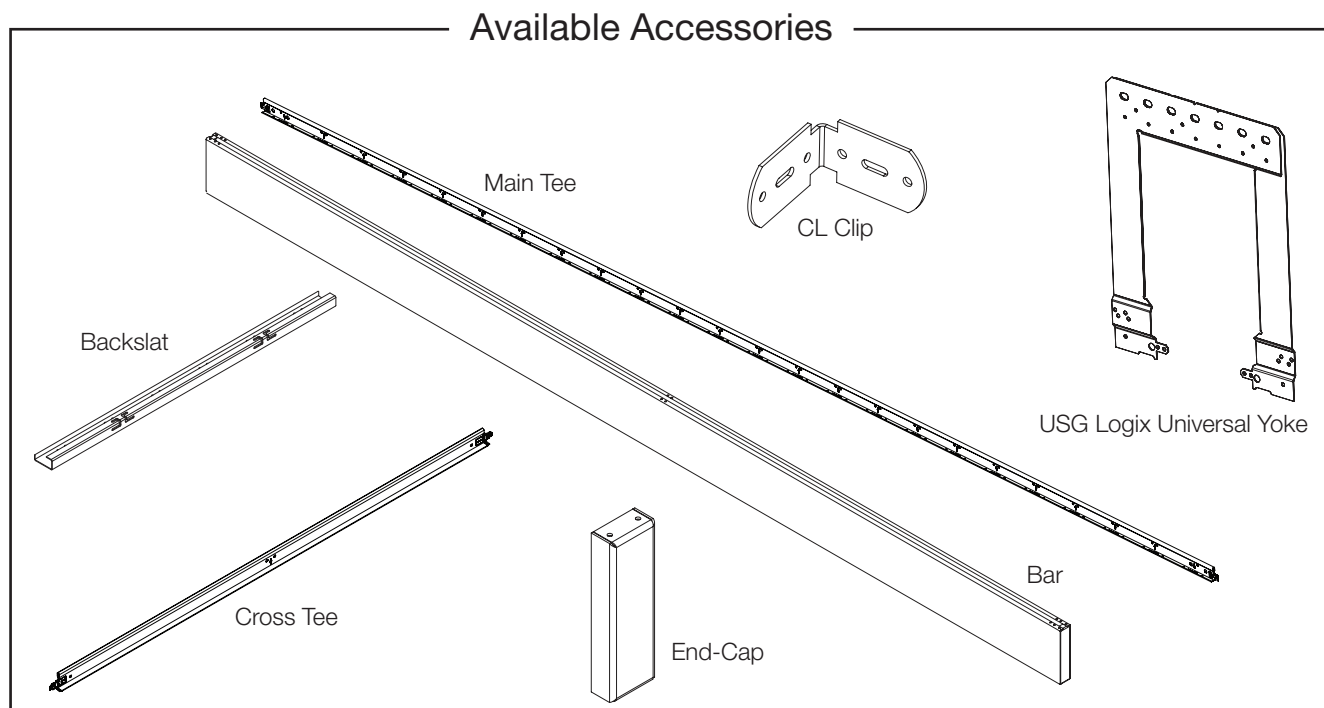
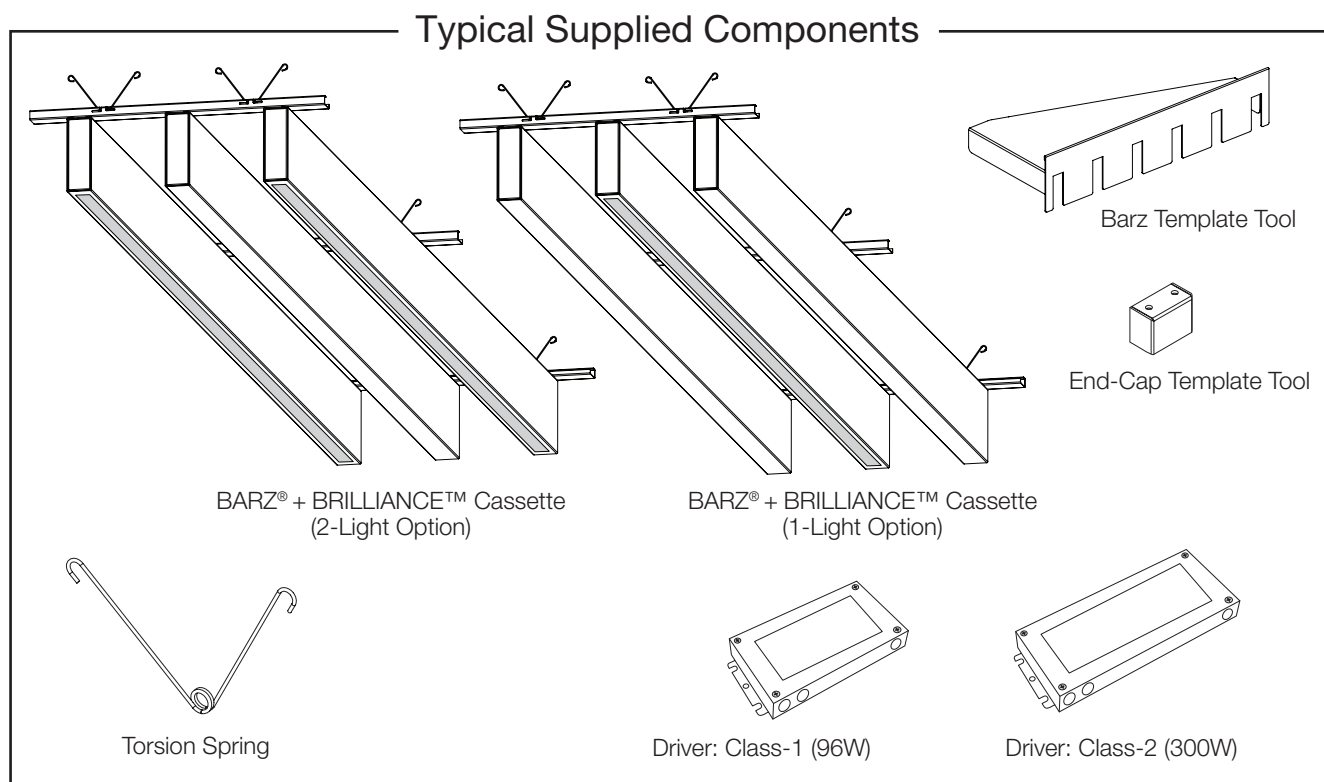
Please work safely!

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Preparation

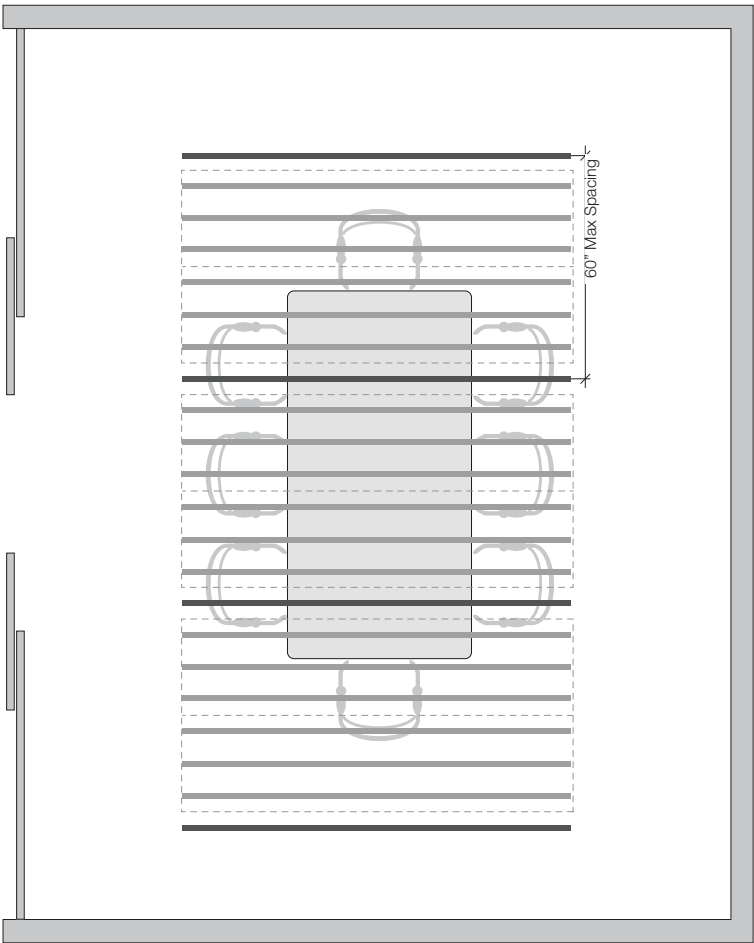
Component Identification & Accessories



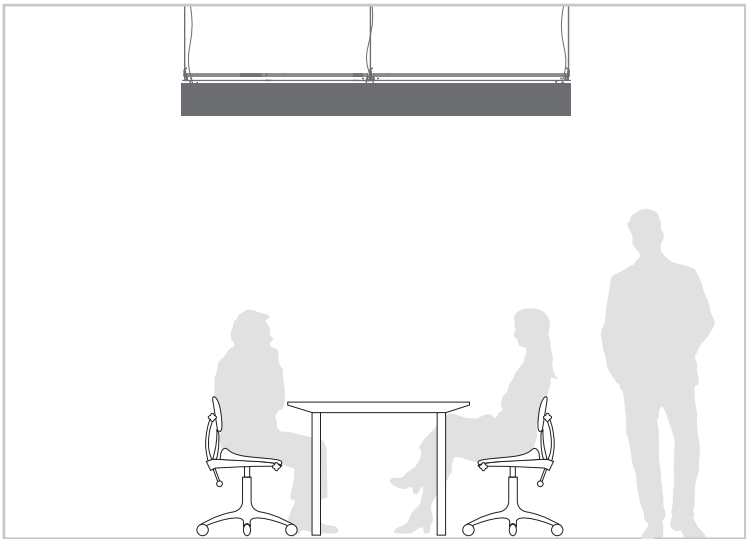
Ceiling Layout

Optimal Layout Reference

60" Max spacing will output an average of 25 FC (Foot Candles) at 9ft ceiling height*.
(*For more elaborate lighting plans, consult your USG-CP sales rep for photometric support).



Increase the number of Barz+Brilliance for higher light output.
Further lighting calculation is required to confirm results.

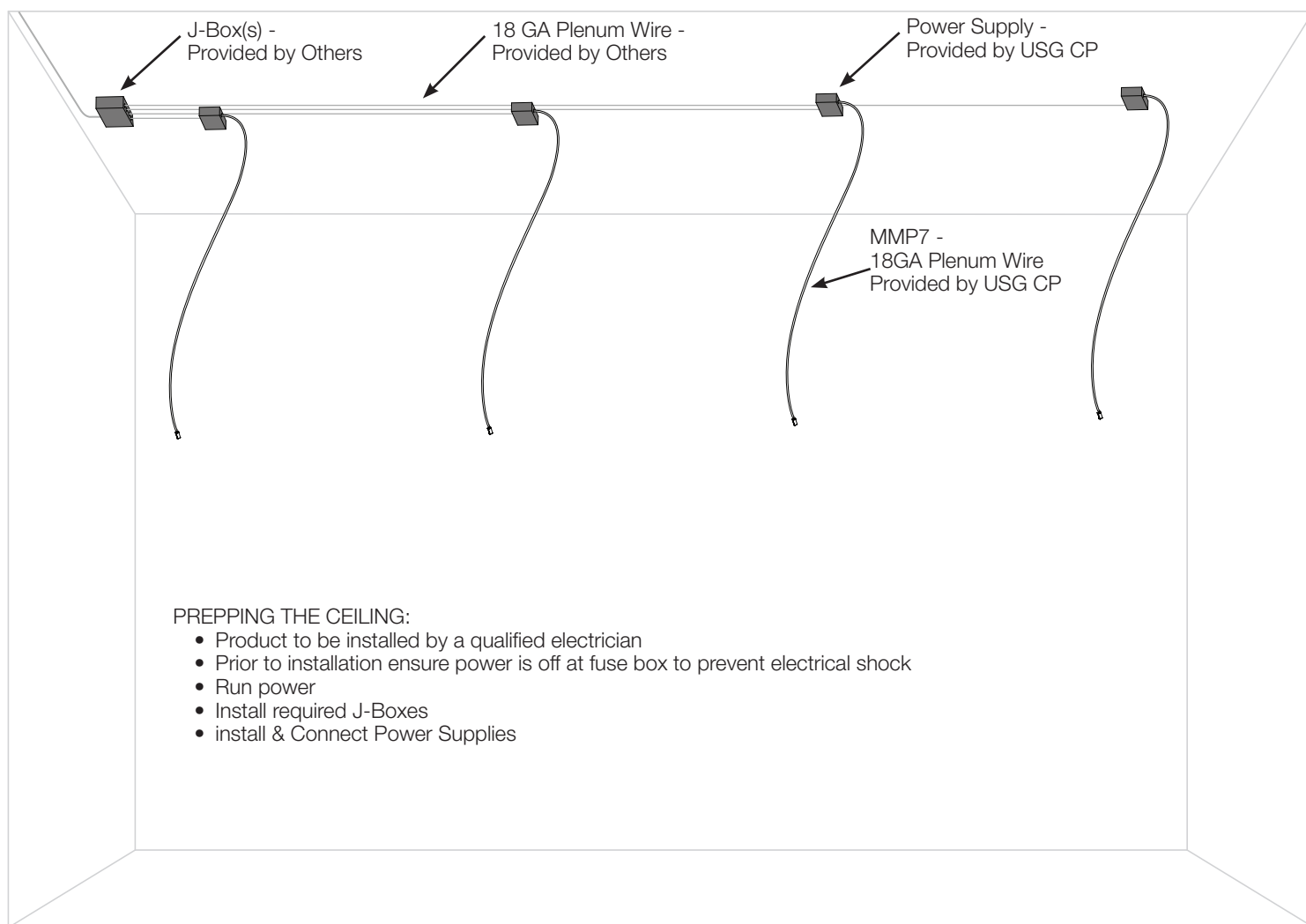
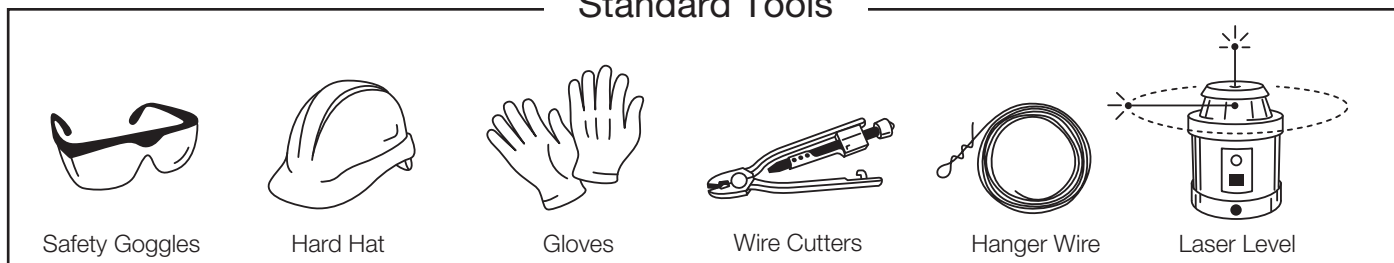


FINISHED CEILING HEIGHT AT 9ft

General Installation

Prep the Plenum & Install J-Boxes & Power Supplies as Required - Electrical Scope

Standard Tools

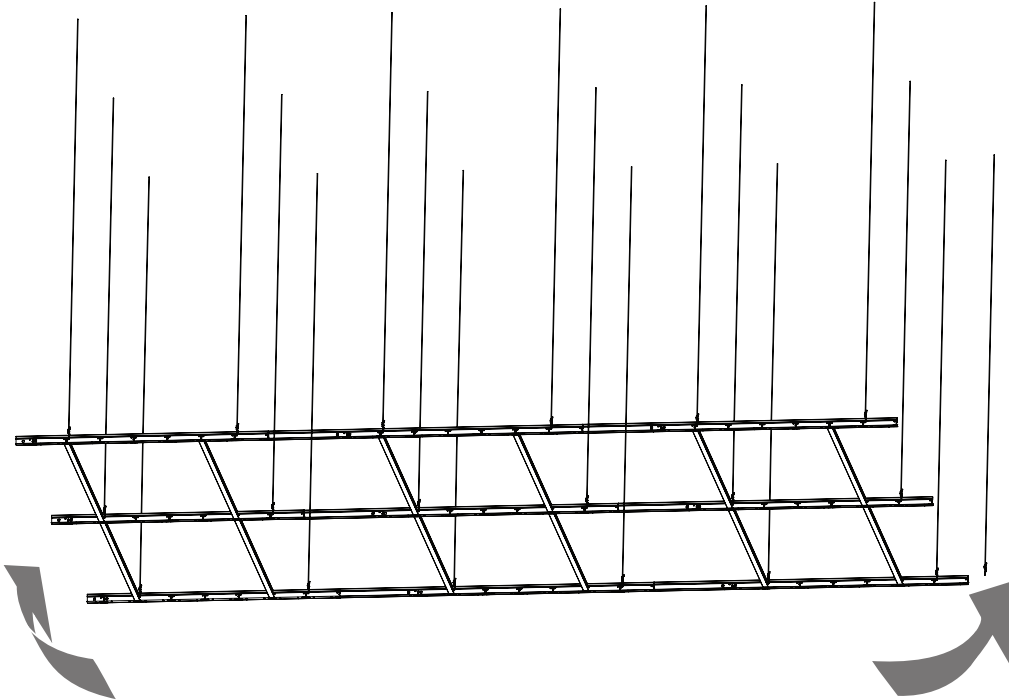


PREPPING THE CEILING:

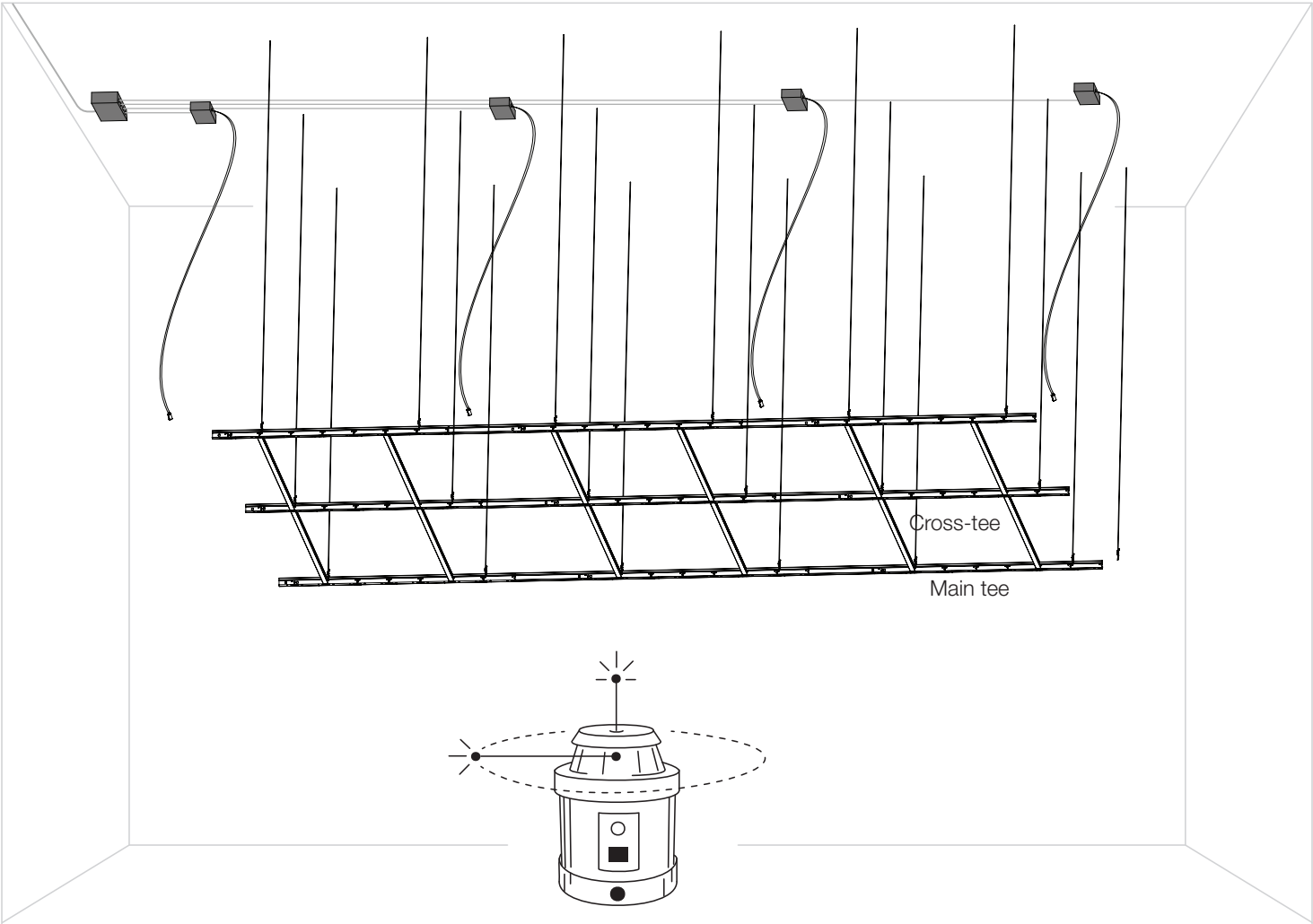
- Product to be installed by a qualified electrician
- Prior to installation ensure power is off at fuse box to prevent electrical shock
- Run power
- Install required J-Boxes
- install & Connect Power Supplies

General Installation

Level & Install Main Ceiling Grid as Required - Carpenter Scope

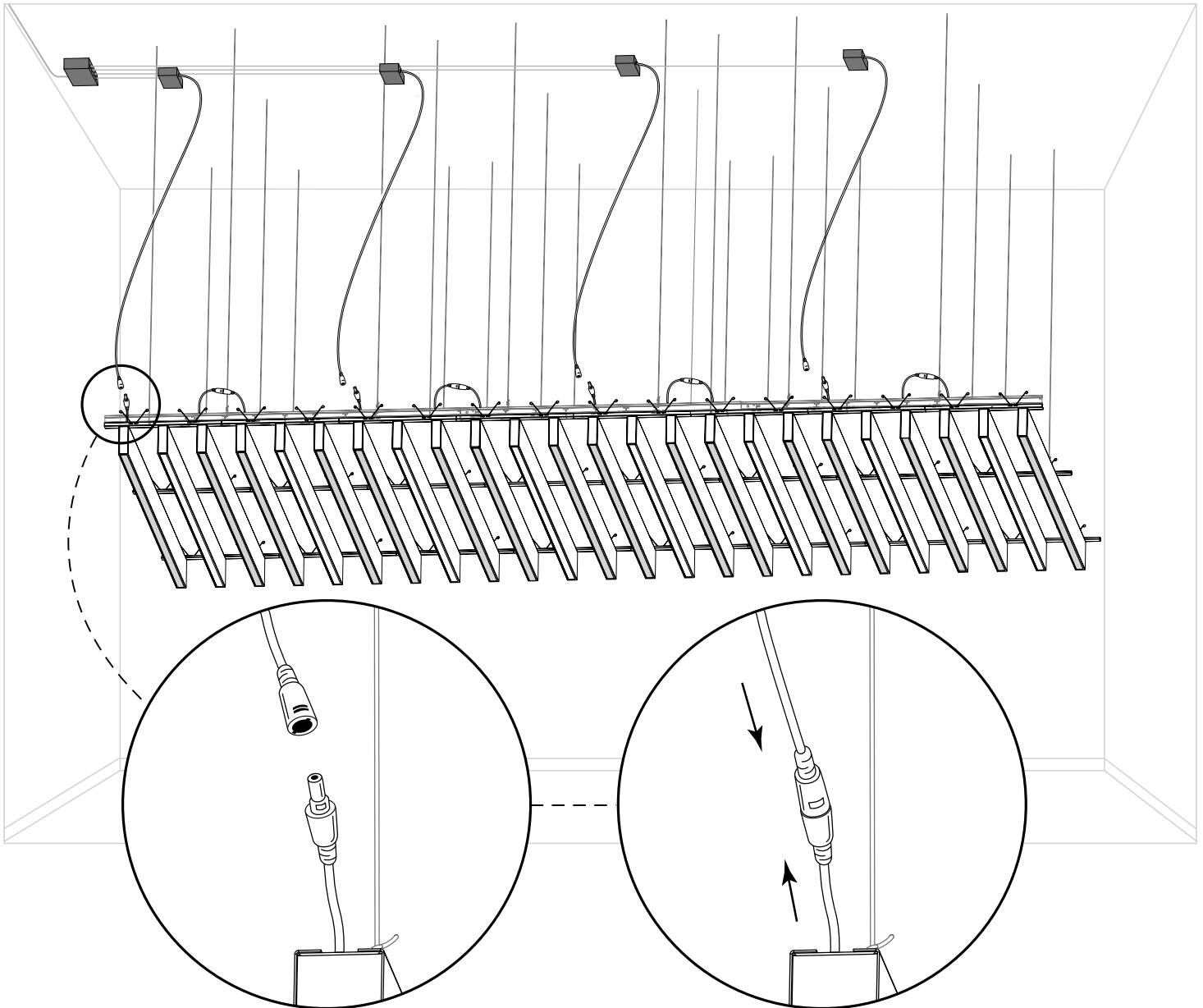


Use laser level to ensure whole grid is leveled to a 1/8" maximum variance.



General Installation

Install Entire Ceiling Per Layout



- Carpenter installs Barz + Brilliance cassettes into the grid per installation drawings.
- Fixture must be plugged by the Electrical Sub-Contrator.
- Cassettes may be daisy-chained as shown above.

Safety

SAFETY

Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation. Be cautious with exposed sharp edges when handling ceiling system components.

INSTALLATION

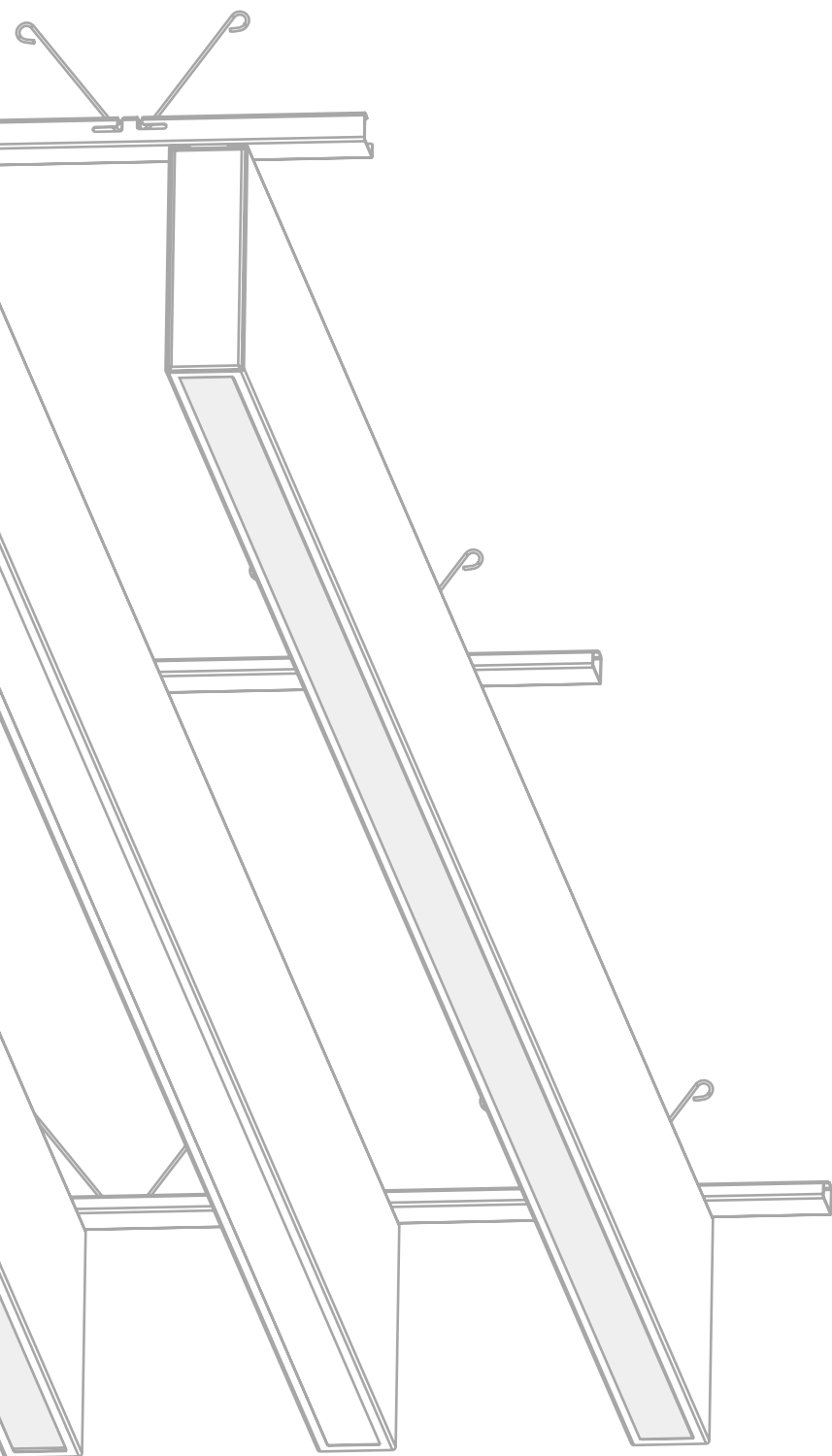
Prior to installation, make sure your project complies with any seismic & non-seismic requirements. Must be installed in compliance with ASTM C636, ASTM E580, utilizing standard industry practices and adopting applicable code requirements. Alternative assemblies and installation methods may be utilized when approved by the authority having jurisdiction. USG Ceiling Plus recommends checking with the authority having jurisdiction prior to designing and installing a suspended ceiling system.

LIMITATION

Some commercially acceptable color variation may occur between lots and between different size products of the same color.

LIABILITY

We shall not be liable for any incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.



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