


MOSAIC

LINEAR BEAM CEILING SYSTEM

Installation Guide

 Lumabuilt





**LINEAR BEAMS ARE FOR
DECORATIVE PURPOSES ONLY,
THEY ARE NOT TO BE USED FOR
STRUCTURAL SUPPORT, BRACING,
OR SUSPENSION OF OBJECTS.**

The installation methods and guidelines outlined in this document have been calculated for the following building substrates:

- 16 Gauge Steel
- Concrete
- 2xSPF Wood Stud

IMPORTANT

The installation methods outlined in this guide are intended to provide general information and recommended procedures for installing the Mosaic Linear Beam Ceiling System. These instructions are designed to assist experienced installers by illustrating typical installation techniques and best practices.

This guide does not address every possible condition, application, or site-specific requirement. It is the responsibility of the installer, contractor, and/or project team to ensure that all installations comply with applicable local building codes, regulations, and safety standards for the jurisdiction in which the product is being installed.

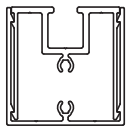
Lumabuilt does not install the product and has no control over jobsite conditions or installation practices. As such, Lumabuilt assumes no responsibility or liability for improper installation, failure to follow these guidelines, or personal injury resulting from incorrect use or installation of the product. Failure to adhere to Lumabuilt's recommended installation procedures may result in product failure and may void applicable warranties.

These instructions are intended for qualified professionals familiar with architectural ceiling systems and standard construction practices. If project-specific conditions require clarification or deviation from these guidelines, please contact Lumabuilt prior to installation for technical support.

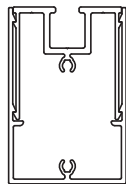
SYSTEM COMPONENTS

SLOTTED BEAM ASSEMBLIES

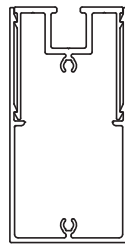
The interlocking beam base installs easily using the integrated slotted track and hex bolt assembly, accommodating a wide range of installation conditions. End caps lock into place after the base is installed to complete the assembly.



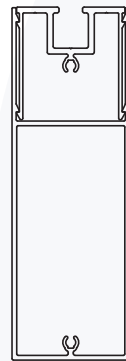
2" x 2"



2" x 3"



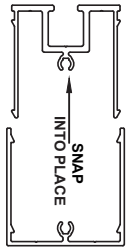
2" x 4"



2" x 6"

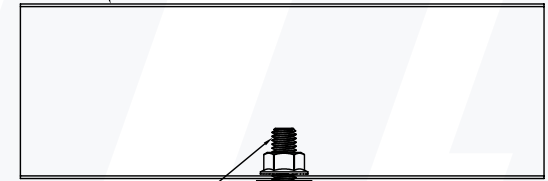


2" x 8"

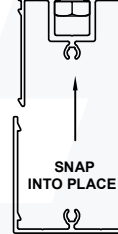


Base and Caps easily snap together, creating a continuous beam.

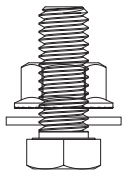
CARRIER FRAME
INSTALLED TO
STRUCTURE



HEX BOLT
ASSEMBLY IN
BEAM CHANNEL
AT EACH
ANCHOR POINT,
AND ATTACHED
TO CARRIER

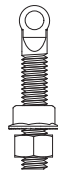


SNAP
INTO PLACE



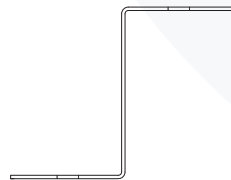
HEX BOLT ASSEMBLY

The component slides into the slotted channel and attaches directly to the carrier channel for support.



EYE BOLT ASSEMBLY

The component slides into the slotted channel, while the eye bolt accepts a hook or hanging wire for suspension*.



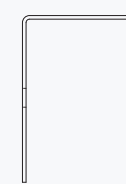
CARRIER ZEE

Typically used in direct-to-substrate installations. The pre-drilled holes are used to set 2" or 3" beam spacing by orienting the channel to the appropriate side.



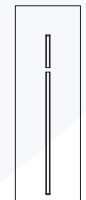
CARRIER CHANNEL

Typically used in suspended ceiling installations. The pre-drilled holes are used to set 2" or 3" beam spacing by orienting the channel to the appropriate side.



CARRIER SPLICE

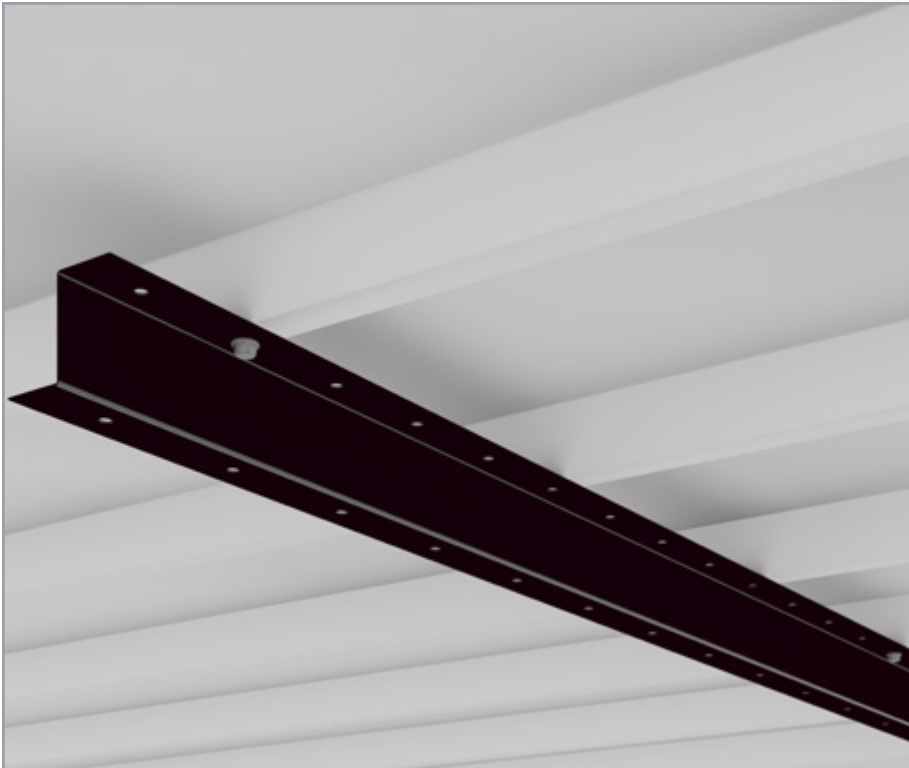
Allows for attachment and alignment of two adjacent ceiling grids.



END CAPS

Press-fit end caps complete each linear beam and are available in matching colors and patterns.

ATTACHING CARRIER TO SUBSTRATE

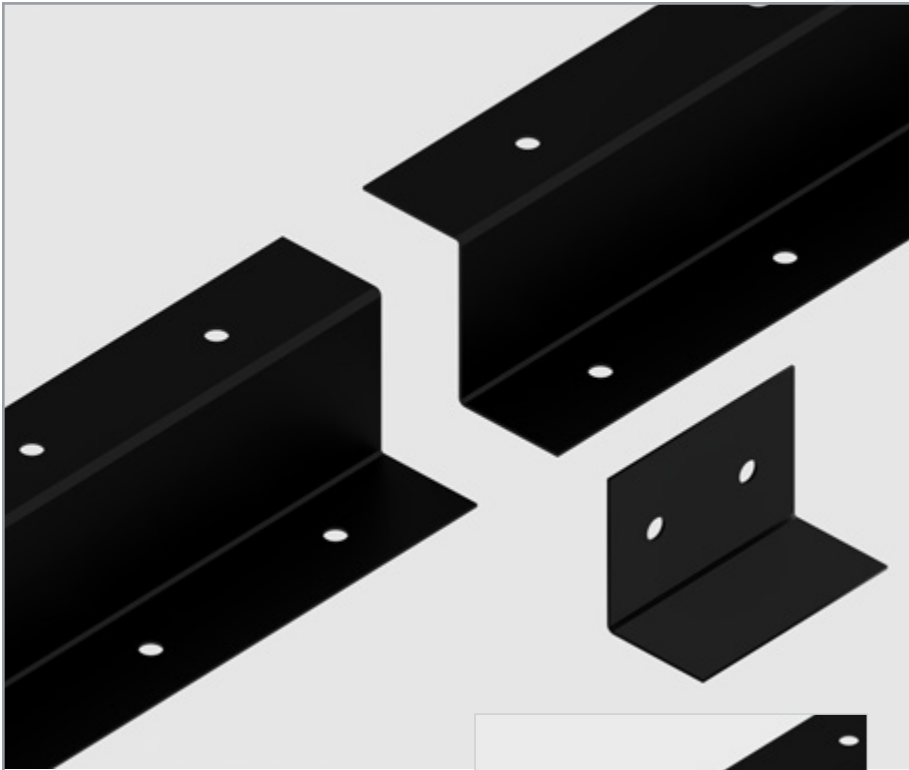


Install the zee carrier to the substrate prior to attaching linear beams. Use the span tables to determine proper spacing based on substrate and load conditions.

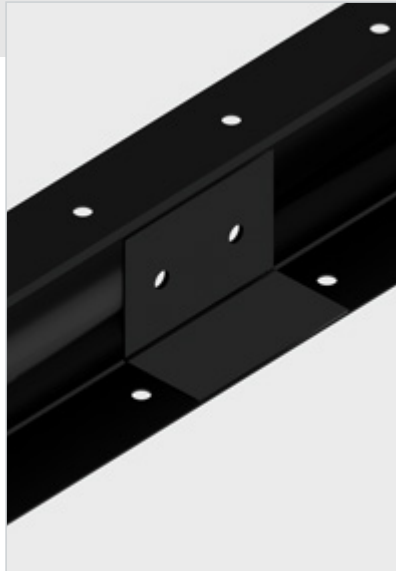


Alternatively, the carrier channel may be suspended using 12-gauge wire and eye bolt at each anchor point on the carrier channel, or as specified by the Engineer of Record (EOR).

SPLICING CARRIERS FOR FRAMING LARGER THAN 10+ FEET



Prior to installing the ZEE or Channel framing to the structure, align the two Carrier Frame profiles end-to-end. Position the Splice Part so the pre-punched hole aligns with the vertical wall of the Carrier Frame. Clamp the Carrier Frames and Splice Part securely together. Pre-drill using a Size W (0.386") drill bit through the Splice Part and Carrier Frame.



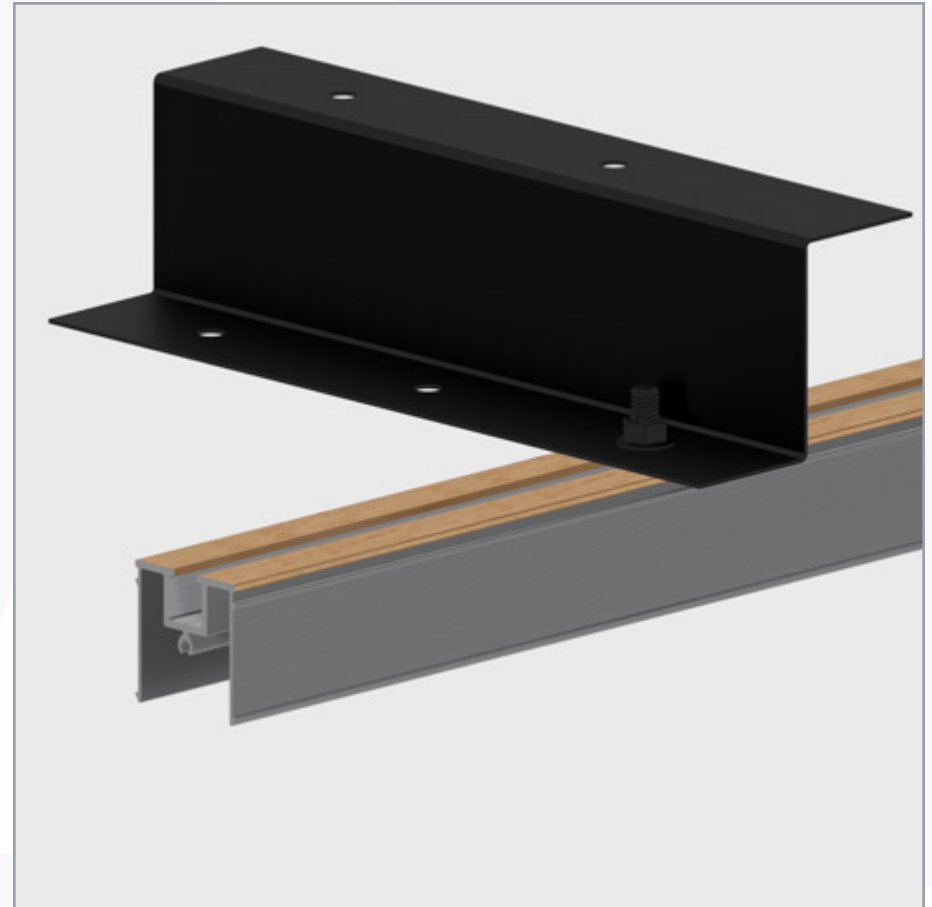
After securing the first Carrier Frame to the structure, align the second Carrier Frame and install the Splice Part using the provided 3/8" hex bolt, nut, and washer at both fastening locations.

The Splice Part is non-structural. Support all framing before and after the splice connection. Locate the splice within 12" of a structural support point.

ATTACHING BEAM BASES TO CARRIER

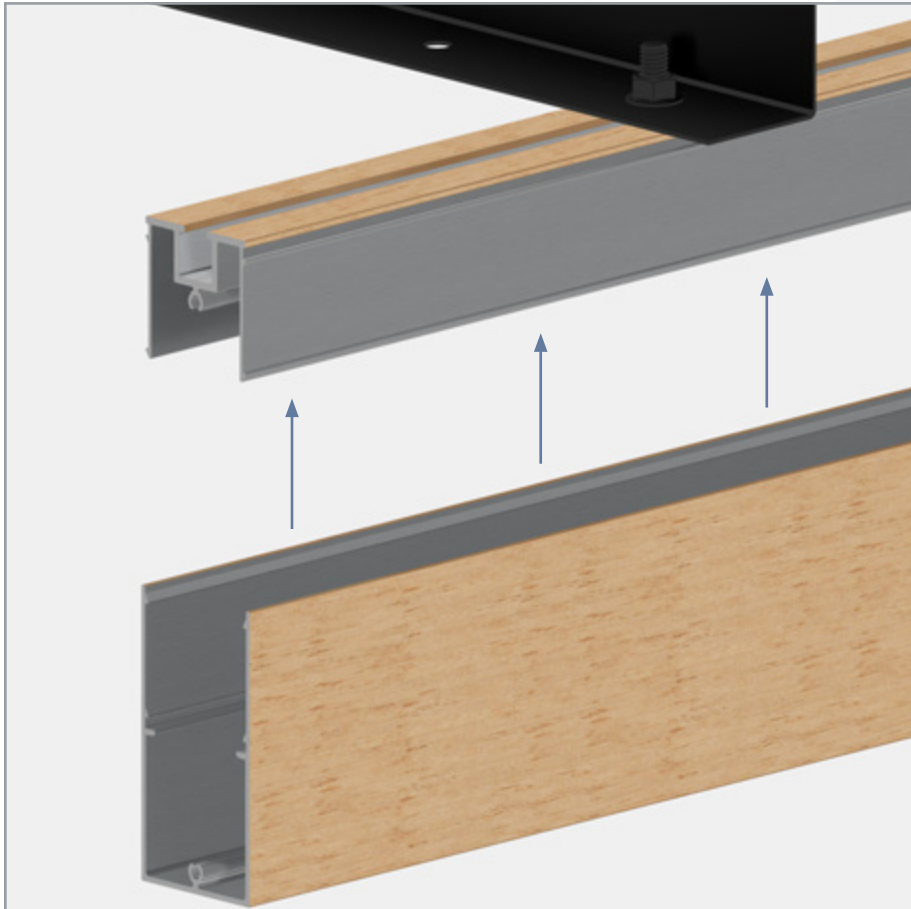


Remove the nut and washer, then slide the hex bolt into the channel and position it to align with the pre-drilled holes in the carrier.



Lift the slotted channel base into position, align the hex bolts with the pre-drilled holes in the structure, and secure the beams by tightening the nuts.

ATTACHING BEAM CAPS TO BEAM BASES



Raise the linear beam cap into place, then interlock the assembly using clean bar clamps at evenly spaced intervals.

END CAP INSTALLATION

- Plan your layout to ensure proper access for installing end caps. The end of the batten must remain unobstructed; if installation occurs close to an adjacent surface, end cap installation may not be possible.
- Position the batten 1/8" short of the intended finished length to accommodate the end cap.
- For two-piece battens, verify that both the base and cap are cut square and to identical lengths before installing the end cap.



- Place a small drop of clear silicone into each screw-boss location before installing the cap.
- Insert the precut end cap and tap gently with a rubber mallet until fully seated and flush.
- The friction-fit design provides a secure, finished appearance with no exposed fasteners.

**We are more than a manufacturer,
we are your partner in design,
every step of the way.**



2529 West Jackson Street
Phoenix, AZ 85009

602.275.1676

info@lumabuilt.com

For more information, visit lumabuilt.com