

WOODWORKS® Grille Tegular

Downlight Integration Installation Instructions

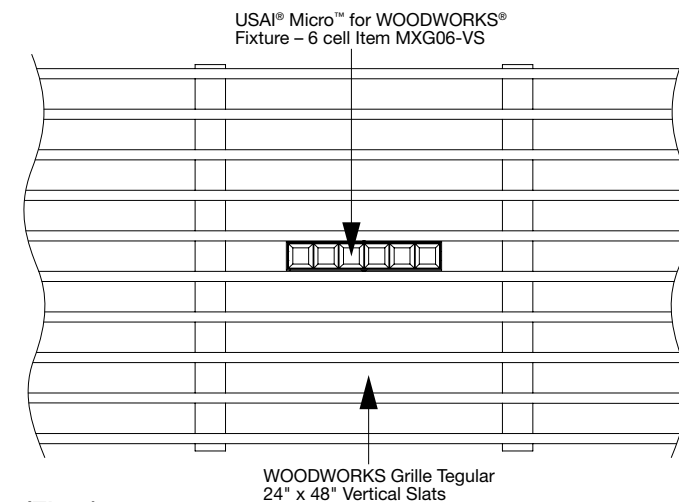
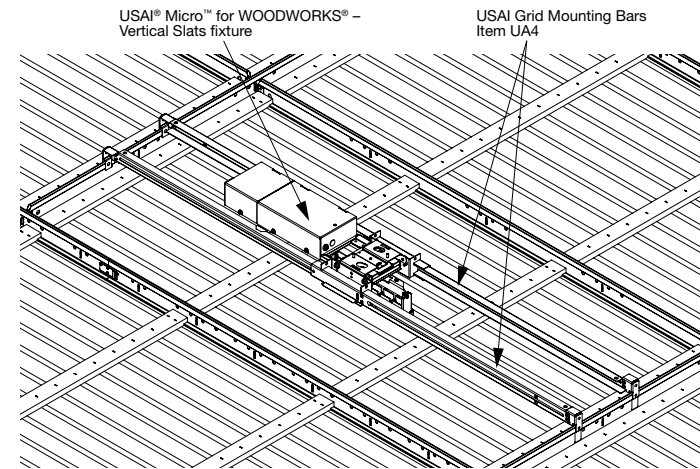
This installation guide is a supplement to the standard WOODWORKS® Grille Tegular installation instructions.

1. SOLUTION OVERVIEW

The following guidelines enable installation of various USAI® light fixtures with Armstrong WOODWORKS Grille Tegular panels – eliminating the need for modification of the grid system and independent suspension of the light fixture. *(Fig 1)*

The installation of this ceiling and the integrated lighting solution will require coordination between the ceiling contractor and the electrical contractor. The general contractor should work with the electrical contractor and ceiling contractor to clearly assign responsibilities.

These instructions represent the WOODWORKS Grille Tegular panels listed in the chart at the end of the instructions. No other WOODWORKS Grille Tegular panel type should be field-modified for use with the specified lights.



(Fig 1)

2. DESIGN AND INSTALLATION CONSIDERATIONS

2.1 Reveal Guidelines

Reveal between the light and slats will coordinate with the reveal from slat to slat. There should be a minimum reveal of at least 1/4" between the light fixture and a cut slat.

2.2 Treating Field-Modified Panel Edges

See Section 3.3 for recommendations on how to treat the exposed edges of a field-modified panel.

2.3 Suspension System

The suspension system does not require modification and must be installed following the WOODWORKS® Grille Tegular standard installation instructions. All grid members that support light fixtures must be full height (1-11/16").

2.4 Acoustical Solution

The BioAcoustic Infill panel (item 5823) can be installed with 662912 and 663112 to provide an acoustical solution. The infill panel is not recommended to be used with items 663008, 662808, 662812, and 663012 due to light fixture interference. See Section 3.4 for more information.

3. PANEL MODIFICATIONS

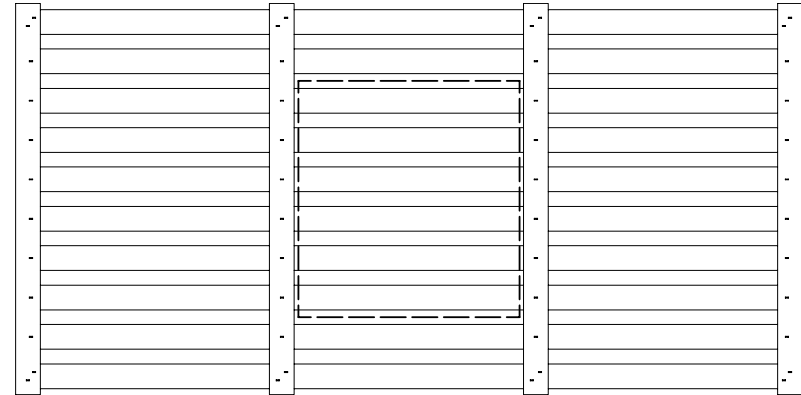
3.1 Modification Preparations

3.1.1 The following tools can be used to make cuts in the field:

- Jigsaw: Be sure to use a fine finish blade when using the jigsaw. We recommend using the Bosch™ T308BP jigsaw blade, or equivalent.

3.1.2 Make sure the panel is supported on a clean surface when making cuts to minimize the risk of blemishes.

3.1.3 Place the WOODWORKS Grille Tegular panel on a set of stand-offs. Determine which slat(s) are to be cut based on the ceiling and lighting layout. Reference panel modification drawings for the acceptable cut areas on each product. *(Fig 2)* Item specific panel modification zones can be found on Armstrong's website.



(Fig 2)

3.2 Standard Panel Modification – Cutting Panel Slats

3.2.1 Modification Rules for USAI® BeveLED Mini® for WOODWORKS® and Micro™ for WOODWORKS - Horizontal Slats light fixtures:

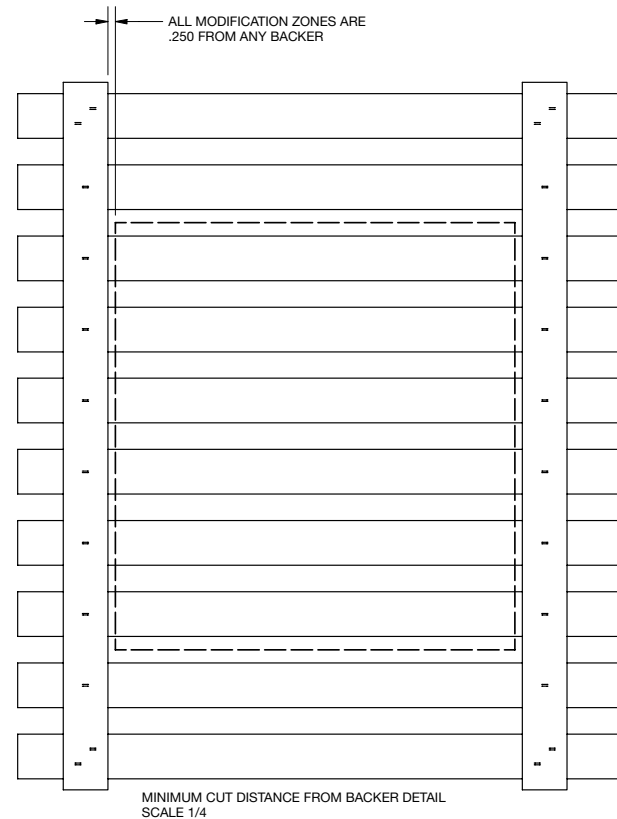
- Reference the panel modification drawings for the acceptable cut areas on each product.
- Only one light can be installed per panel.
- The allowable modification zones begin 1/4" from any backer. **(Fig 3)** Items 662808 and 662812 may have a cut less than 1/4" from the backer based on the selected light fixture. Take extra caution to not cut the side of the backer.
- No more than 5" cantilever of a trimmed slat from a backer. **(Fig 4)**
- The reveal from the end of the modified slats to the light fixture can be no closer than 1/4".

3.2.1 Modification Rules for USAI Micro for WOODWORKS – Vertical Slats light fixtures:

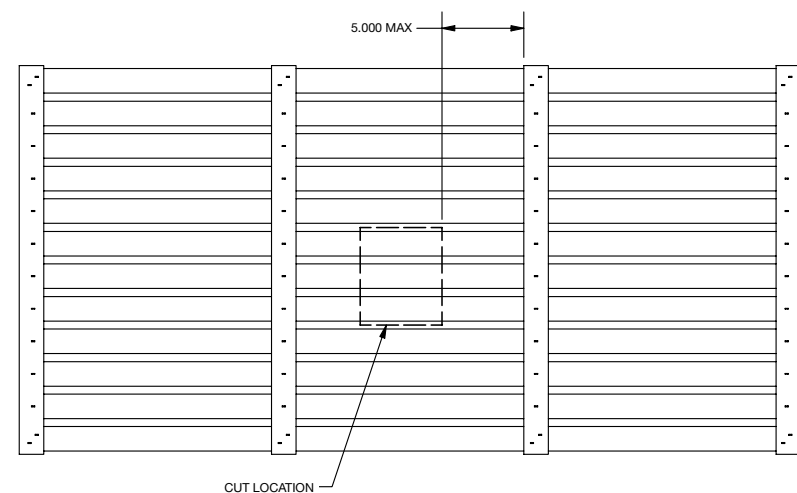
- Any location is available for installation that does not interfere with backers or the grid.
- No modification to the slats is needed to install these fixtures.

3.3 Treating Exposed Edges (Optional)

Field-modified panel edges that are exposed to view can be treated to hide the cut edge by applying the Krylon™ Flat COLORmaxx Black Enamel Interior/Exterior Paint or Minwax™ Gel Stain Satin Black Oil-based Interior Stain. Follow the manufacturer's guidelines when applying the paint or gel stain. Make sure to remove any paint/gel stain that made its way to the finished face of the panel by quickly wiping it with a rag.



(Fig 3)



(Fig 4)

3.4 Acoustical Infill Panels

The BioAcoustic Infill panel (item 5823) can be installed with 662912 and 663112 to provide an acoustical solution. The infill panel will need to be cut to accept the light fixture. A standard utility knife can be used to cut the infill panels. The infill panel is not recommended to be used with items 663008, 662808, 662812, and 663012 due to light fixture interference. Reference Section 6.16 in the Acoustical Infill Panels Installation Guide for more information on how to install the infill panels. (Fig 5)

4. INSTALLATION OF THE ASSEMBLY

Install the WOODWORKS® Grille Tegular panel that the light will integrate into per the standard installation instructions. (Fig 6)

The compatible light fixture and driver should be installed by a qualified electrician in accordance with the lighting manufacturer's instructions. (Fig 7)

Once the modified panel and light have been installed, resume installation of the full-size WOODWORKS Grille Tegular panels following the standard installation instructions. (Fig 8)

5. LIGHT FIXTURES

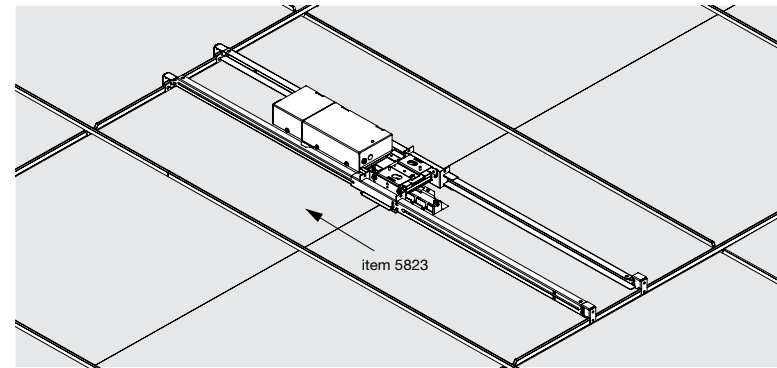
Compatible with USAI® BeveLED Mini® for WOODWORKS® and Micro™ for WOODWORKS fixtures. Contact the light manufacturer if the visual of the light fixture needs to be concealed if the acoustical infill panels (referenced in section 3.4) are not used. For detailed lighting information, contact your local USAI representative.

6. SEISMIC

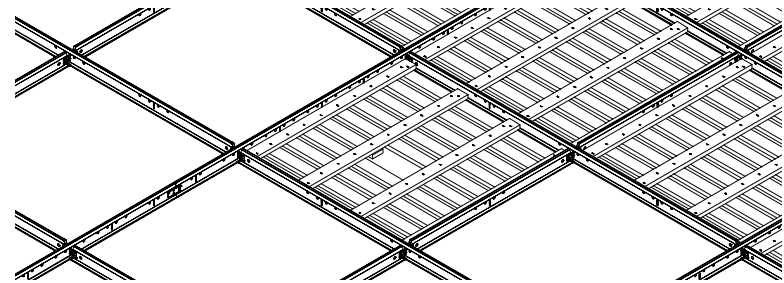
This system has been engineered for application in seismic areas based on the instructions listed in this document and has been successfully tested in applications simulating seismic design categories D, E, and F. Refer to the seismic section in the WOODWORKS Grille Tegular standard installation instructions for all requirements related to seismic performance for this product.

Refer to the lighting manufacturer for the specific instructions on how to install the light fixture in seismic areas.

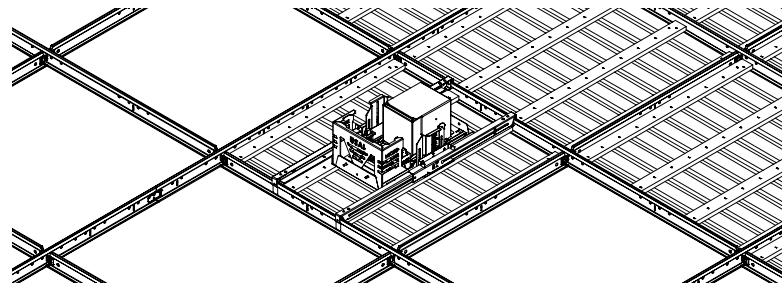
Certain jurisdictions may have additional requirements for lighting systems. Consult your local authority for specific requirements.



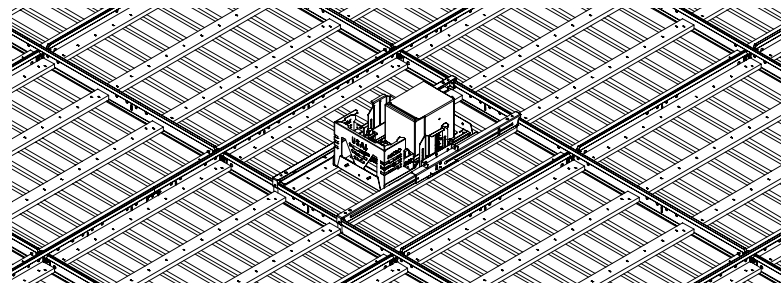
(Fig 5)



(Fig 6)



(Fig 7)



(Fig 8)

WOODWORKS® GRILLE TEGULAR						
WOODWORKS® Panel Item No.	Description	Coordinating USAI® Fixture Family	Coordinating USAI Fixture Part Numbers	USAI Grid Mounting Bars Item No.	USAI Trim Yoke and Centering Spacer Item No.	Panel Field Modification Required
663008	24" x 48" horizontal slats	BeveLED Mini® for WOODWORKS Micro™ for WoodWorks – Horizontal Slats	B3XX-UA MXGXX-UA	UA2, UA4	–	Mini: 2 slats cut Micro: 1 slat cut
662808	24" x 24" horizontal slats	BeveLED Mini for WOODWORKS Micro for WoodWorks – Horizontal Slats	B3XX-UA MXGXX-UA	UA2, UA4	–	Mini: 2 slats cut Micro: 1 slat cut
662912	24" x 24" vertical slats	Micro for WOODWORKS – Vertical Slats (4 cell max)	MXGXX-VS	TA2	MDGVB-GT29, MWGVB-GT29	None
662812	24" x 24" horizontal slats	BeveLED Mini for WOODWORKS Micro for WoodWorks – Horizontal Slats	B3XX-UA MXGXX-UA	UA2, UA4	–	Mini: 2 slats cut Micro: 1 slat cut
663012	24" x 48" horizontal slats	BeveLED Mini for WOODWORKS Micro for WoodWorks – Horizontal Slats	B3XX-UA MXGXX-UA	UA2, UA4	–	Mini: 2 slats cut Micro: 1 slat cut
663112	24" x 48" vertical slats	Micro for WOODWORKS – Vertical Slats (8 cell max)	MXGXX-VS	TA4	MDGVB-GT31, MWGVB-GT31	None

NOTE: Refer to lighting partner cut sheets for light location considerations

MORE INFORMATION

For more information, or for an Armstrong Ceilings representative, call 1 877 276 7876.

For complete technical information, detail drawings, CAD design assistance, installation information, and many other technical services, call TechLine customer support at 1 877 276 7876 or FAX 1 800 572 TECH.

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