

WOODWORKS® Grille

Downlight Integration Installation Instructions

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

1. SOLUTION OVERVIEW

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

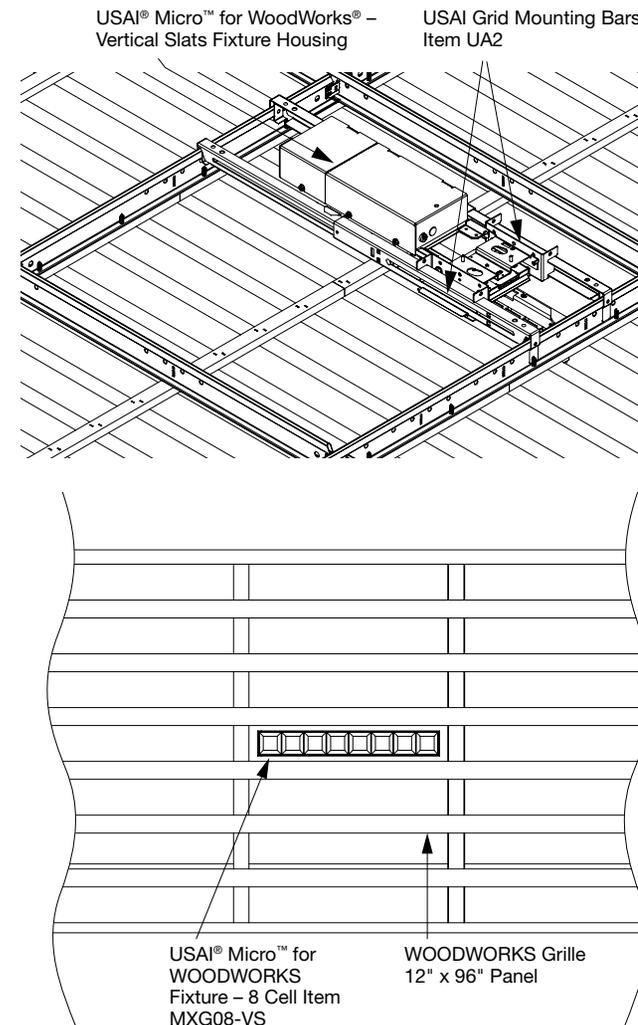
The installation of this ceiling and the integrated lighting solution will require coordination between the ceiling contractor and the electrical contractor. WOODWORKS Grille panels with the downlight integration is a progressive installation, meaning the lights and the ceiling panels must be installed at the same time. The general contractor should work with the electrical contractor and ceiling contractor to clearly assign responsibilities.

These instructions represent the WOODWORKS Grille panels listed in the chart at the end of the instructions. Other WOODWORKS Grille panel types are not included as part of this standard integration solution.

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.



(Fig 1)

2.2 Suspension System

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

2.3 Acoustical Solution

The BioAcoustic Infill panel (item 6657) can be installed to provide an acoustical solution. See Section 3.3 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, when modifying the dowel.

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 panel on a set of stand-offs. Determine which dowels are to be cut based on the ceiling and lighting layout.

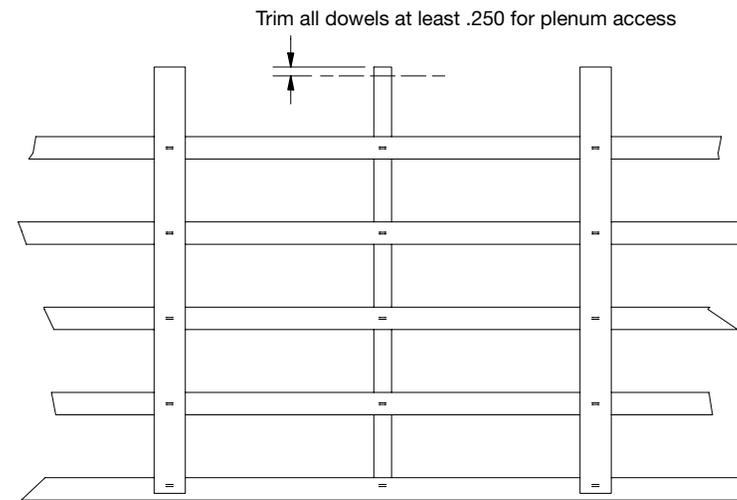
3.2 Standard Panel Modification

3.2.1 Modification Rules for USAI® Micro for WOODWORKS – Vertical Slats light fixture

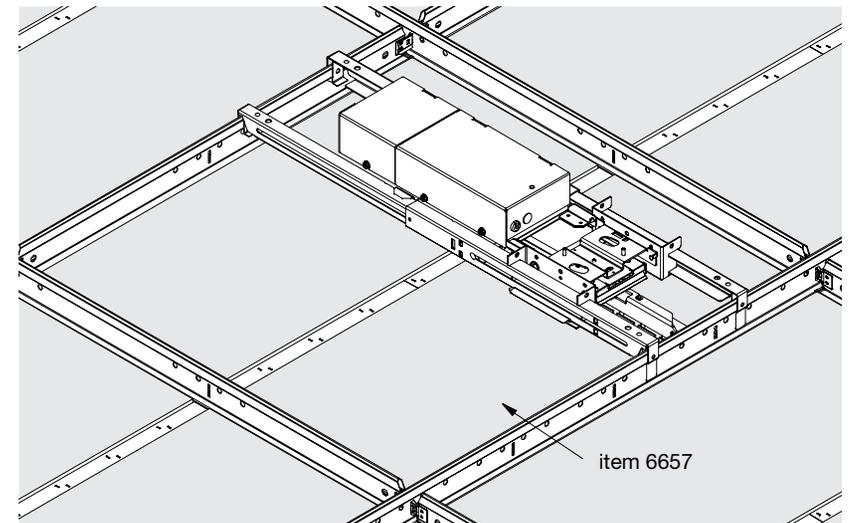
- Any location is available for installation that does not interfere with backers, dowels, or the grid.
- No modification to the slats is needed to install these fixtures with backer only panels.
- Panels with the combination of backers and dowels may need modification to allow for access into the plenum area. The male end of panels with dowels need the male dowel end trimmed 1/4" for removal of the panel and access to the fixture. (Fig 2)

3.3 Acoustical Infill Panels

The BioAcoustic Infill panel (item 6657) can be installed 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 (item 5823) cannot be used because that is only to be used with dowel-only panels. Reference Section 6.15 in the Acoustical Infill Panels Installation Guide for more information on how to install the infill panels. (Fig 3)



(Fig 2)



(Fig 3)

4. INSTALLATION OF THE ASSEMBLY

Install the WOODWORKS® Grille panel that the light will integrate into per the standard installation instructions, following the screw attachment method. Do not use the Backer Clip installation method. *(Fig 4)*

The compatible light fixture and driver should be installed by a qualified electrician in accordance with the lighting manufacturer's instructions. *(Fig 5)*

Once the light fixture has been installed, resume installation of the full-size WOODWORKS Grille panels following the standard installation instructions. *(Fig 6)*

5. LIGHT FIXTURES

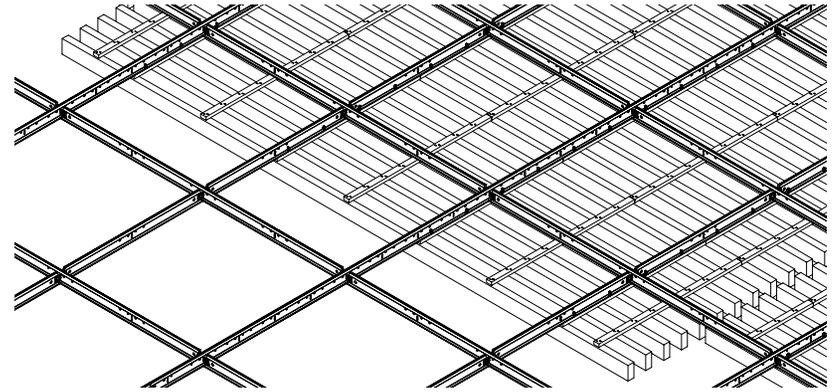
Compatible with USAI® Micro for WOODWORKS – Vertical Slats light fixture. Contact the light manufacturer if the visual of the light fixture needs to be concealed if the acoustical infill panels (referenced in section 3.3) are not used. For detailed lighting information, contact your local USAI representative.

6. SEISMIC

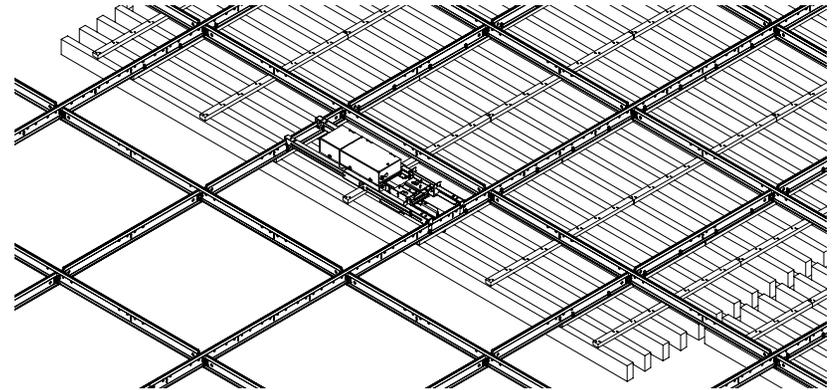
This system has been engineered for application in seismic areas based on the instructions listed in this document and has been successfully tested in applications simulating seismic design categories D, E, and F. Refer to the seismic section in the WOODWORKS Grille standard installation instructions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

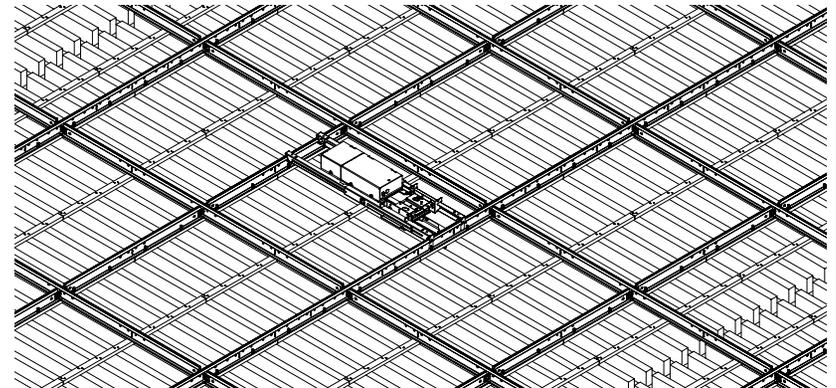
Certain jurisdictions may have additional requirements for lighting systems. Consult your local authority for specific requirements.



(Fig 4)



(Fig 5)



(Fig 6)

WOODWORKS® Panel Item No.	Slat Width	Slat Height	Open Area Between Slats	Slats Per Panel	Coordinating USAI® Family Fixture	Coordinating USAI Fixture Part Numbers	USAI Grid Mounting Bar Item No.	USAI Trim Yoke and Centering Spacer Item No.
WOODWORKS® Grille – Backer & Dowel and Backer Only Panels								
7091BD	5/8"	3-1/4"	1-3/4"	5	Micro™ for WOODWORKS – Vertical Slats (4 cell max)	MXGXX-VS	UA2	MXGVD-GL91
7093BD	5/8"	4-1/4"	1-3/4"	5	Micro for WOODWORKS – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVD-GL93
7096BD	1"	4-1/4"	2"	4	Micro for WOODWORKS – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVD-GL96
7098BD	1-1/4"	4-1/4"	2-3/4"	3	Micro for WOODWORKS – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVD-GL98
7099BD	1-1/4"	5-1/4"	2-3/4"	3	Micro for WOODWORKS – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVD-GL99
7094B0	1"	2-1/4"	2"	4	Micro for WOODWORKS – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVD-GL94
7095B0	1"	3-1/4"	2"	4	Micro for WOODWORKS – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVD-GL95
7097B0	1-1/4"	3-1/4"	2-3/4"	3	Micro for WOODWORKS – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVD-GL97

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

No panel field modification is required for USAI® Micro™ light integration with WOODWORKS® Grille panels.

* Trimming dowels is recommended for access, unless remote driver is used.

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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