<u>Preliminary Steps to install InterSpace in a drywall version - to be moved into install</u> template

NON-ACCESABLE CEILING PREPARATION (DRYWALL)

Before installation of the fixture(s) the ceiling preparation steps must be used with the InterSpace discrete, and continuous run, and patterns installation instructions. **Important:** Read all instructions including wiring and mechanical details before the start of the installation.

Important: Install in accordance with the local and national building and electrical codes.

Note: InterSpace fixtures are designed for installation post ceiling preparation completion

Important: Chicago plenum installations in non-accessable ceiling types, the driver box and jumper box are not to be adjusted. This will compromise the tape seams that are permanently sealed to comply with CCEA requirements.

WARNINGS:

• Shock hazard! Fixtures must be connected to building ground via

provided ground wire before connecting to main supply power.



• Disconnect or turn off power supply before attempting any installation maintenance or servicing operations.(example of draft installation documentation warning section)



System Overview:

Each fixture is modular by design. There are no end or mid runs with exception to continuous run lengths outside of the nominal 4ft lengths e.g. 4ft-7in or 9ft-10in.



The fixture comes in the following nominal lengths: 3ft Variable, 4ft, 5ft, 6ft, 7ft, and 8ft Nominal without endcaps installed.



Driver box and jumper box positioning is adjustable. There are four adjustable positions for the driver and two adjustable positions for the jumper box. Allowing for 8 combinations for adjusting the positions of the driver and jumper to avoid a common 16" ceiling stud spacing.

POSITION 1: D1-J1 (DEFAULT POSITION)	POSITION 5: D1-J2
--------------------------------------	-------------------



Mounting & Joining Hardware



Endcap Kit



Ceiling preparation for Standalone fixtures.

Identify fixture location(s) and match up the fixture tags as per layout drawings for appropriate length cut out.

a. Stud spacing is to be noted during locating fixtures and adjust accordingly for stud avoidance. (*Refer to adjustment matrix for locating the driver and jumper boxes*)

Determine locations for power connection as per layout drawings.

Install power feed connections and rest below ceiling for access during power connection steps to fixture(s).

Cut out information and details:

- Recommend using appropriate tools to outline specific ceiling cut out dimensions and locations to ensure straightness of the cuts)
- Avoid cutting un-even cuts and curves over the length.

• Proper care to ensure straightness of cuts with accuracy is important in the drywall to avoid rework and for proper fit and function of the Mindset Lighting fixtures.



Cut Lengths for Standalone:

- 3 in MIN to a 3-1/8 in MAX width cut out for Trim. (for trim version)
- 3 in MIN to 3-5% in MAX width cut out for Trimless



Ceiling preparation for Continuous Runs

Identify fixture location(s) and match up the fixture tags as per layout drawings for appropriate length cut out.

b. Stud spacing is a key step during locating fixtures to adjust drive box and jumper box accordingly for stud avoidance.

Determine locations for power connection as per layout drawings. Install power feed connections and rest below ceiling for access during power connection steps.

Cut Lengths for Continuous Run:

• 3 in MIN to 3-% in MAX width cut out for Trimless



Perpendicular Stud Orientation Installation:

Starting locations are determined by using the cut out start position as the datum relative to the stud in the opening at the start. E.g. image below (Use 3D printed start tool to position the default start if desired or cardboard screen print or a measuring tape?) Mindset Lighting InterSpace cut out starting positions are designed around =< 2 [inch] wide studs*.

*In a situation where the steel studs are <2.5 inch wide or an obstruction due to a double stud application, plumbing interference, ducting, or other artifacts that obstruct the installation. The fixture can be turned around and/or adjust driver box or jumper box locations accordingly to fit the specific location in the ceiling.

Important: Read before installing the mounting brackets and fixture(s).



Orient the cut out to start relative to the back of the stud to determine the locations of driver box and jumper box placement as per layout drawing.

Important: Datum position to stud for spacing see below image for 0-position reference. Use the InterSpace Positioning Matrix table to determine recommended positioning or driver box and jumper box relative to cut out start location. The positioning matrix can be found by clicking this link or scanning the QR code.



Once the cut out location or start end is determined the mounting bracket can be placed relative to a distance from the opening of the cut out. If at 0-position bracket may be inserted and rest against stud.



 Raise the bracket with A/C into the cut out pocket as determined based on distance from cut out start. This bracket must be centered between the cut out to ensure the fixture is centered once suspended and raised into final position. Rotate and place onto sheet rock. Mind the puncture tabs and ensure the bracket is placed in the middle of the cut out opening. Pull down on the bracket to ensure the puncture tabs bite into the sheet rock board.





Driver Box access plate: Standalong: Only remove this cover plate if power is to be connected at the driver connection end. Use NO 2. philips screw driver to remove retention screw (Note: the retention screw is a captive screw no need to remove fully it will stay with the cover plate). Continuous run: Each fixture will require this access plate to be removed to make power connection to the connecting fixture in the run. Note: with the exception of the end conditions this plate may not need to be removed.	Jumper Box access plate. Standalone: Only remove this cover plate if power is to be connected at jumper connection end. Use NO 2. philips screw driver to remove retention screw (Note: the retention screw is a captive screw no need to remove fully it will stay with the cover plate). Nylon push rivet can be disengaged by pushing from the other side. Push rivets do not need to be removed from the access plate. Continuous run: Each fixture will require this access plate to be removed to make power connection to the connecting fixture in the run. Note: with the exception of the end conditions this plate may not need to be removed.
9. Once the appropriate access plates are removed, the gripper(s) will become accessible from the room side of the fixture to feed the suspension cable through.	10. Jumper box gripper end. Standalone shown for reference





11. Raise the fixture up to the power connection point to prepare to make the electrical connections at power drop location.



12. Next steps are to prepare a starter fixture or for a fixture in a run to make the electrical power connection.

To prepare fixture for power connection in the (Driver Box End) First you must disconnect the wire harness 400056 from the connected pass through harness.

















24. For Standalone fixtures move to step 40, for continuous run installation move to the next step.		
Continuous Row Installation Steps 25. Install the next mounting bracket and suspension cable in the correct location based on the length of the next fixture.		
Distance XX inches from mount bracket to next mount bracket center to center (note if on second mount hole due to movement of gripper and bracket add/subtract 0.186 inches (4.7 mm) between holes of adjustment). If the mounting hole lands under a stud, then secure with a #10 drywall screw, self taping sheet metal screw, or hardware appropriate to secure to structure. 8ft = 96 inch from center to center of suspension cable(s) 7ft = 84 inch from center to center of suspension cable(s) 6ft = 72 inch from center to center of suspension cable(s) 5ft = 60 inch from center to center of suspension cable(s) 5ft = 60 inch from center to center of suspension cable(s) 3ft = 36 inch from center to center of suspension cable(s) 3ft = 36 inch from center to center of suspension cable(s) 3ft = 36 inch from center to center of suspension cable(s) 3ft = defined by cut length measure from joiner bracket (Refer to layout drawing and fixture run tag)		
Mount bracket	Mount bracket next in run to support connecting fixture	
XX inches		
26. Prepare the starter fixture for joining the next fixture. Raise the end of the sheet metal on the starter fixture joining end.	27. Feed jumper ground wire through opening and connect to the 2-way or 3-way lever WAGO. If location is at power connection, use three wire lever. Feed through pass through 400005 through opening next.	





























STEPS TO MOVE DRIVER BOX AND JUMPER BOX AND STEP TO MOVE GRIPPER TO AVOID STUDS

 1. To move Driver Box positions D1 & D2 and from D3 to D4. First remove the WAC cover to loosen the ground screw.
 2. Loosen the screw on the side of the driver box securing to the fixture. Be sure not to fully remove the screw to avoid miosplacement.

































