



## In-Ceiling Electric Motorized Front Projection Screen

# Evanesce Tab-Tension Series

## User's Guide

### **Important Safety & Warning Precautions**

**Make sure to read this user's guide and follow the procedures below.**

**Caution:** The screen's Black Top Drop is already set to its maximum drop distance. There is NO extra Black Top Drop in the roller. Please be aware of this as it will void your warranty with EliteProAV. Unapproved changes or modifications (except for cutting the power cord for hardwire installations) to this unit are prohibited and will void your warranty.

- Please retain this user's guide for future reference.
- To avoid damaging the unit, do not use with any unauthorized accessories not recommended by the manufacturer.
- Handle the unit carefully during transportation to avoid any damages.
- To ensure safe and reliable operation, direct connection to a properly grounded power source is advised.
- The power outlet supplying power to the unit should be close to the unit and easily accessible.
- Do not install the unit on uneven, inclined surfaces;
- Do not install in damp places to avoid an electric shock or short circuit.
- Do not place any heavy objects over the power cord.
- Position the power cord properly to avoid creating a trip obstacle.
- To avoid an electrical shock or fire, due to a loose contact or short circuit, do not overload the power cord.
- The internal & external parts of this unit are not end user serviceable. Do not attempt to disassemble this unit by yourself. No one except authorized technicians can open and make repairs to this unit.
- Make sure the power source that this unit is connected to has a continuous power flow.
- If there is need to use an extension cord, make sure the cord has an equal rating as the appliance to avoid over heat.
- Do not handle the power plug when your hands are wet or your feet are in contact with water.
- Properly dispose of this equipment according to the environmental regulations in your area when product is no longer of service.

## **Do not use this unit under the following circumstances.**

- Disconnect the power cord under the conditions of heavy rain, wind thunder or lightning.
- Avoid direct sun light, rain shower and moisture.
- Keep away from fire sources and high temperature to prevent this device from overheating.
- Cut off the power supply first before transportation or maintenance.
- To avoid possible injury and/or an electric shock, do not attempt to use this screen if there is obvious damage or if there are any evident broken parts.

### **Installation Warning**

**The instructions provided in this user's guide are for reference only. Please consult a professional installation company for further installation and safety advice. The installer must insure that proper mounting hardware is used to provide adequate strength suitable for the installation. EliteProAV is not liable for any faulty installations.**

The Screen's **Top Black Drop** is already set to its maximum drop distance. There is **NO** extra top black drop in the roller. Please be aware of this as it will void the limitation of your warranty.

Individual modifications to this product are prohibited and will void the warranty with the manufacturer. Please contact EliteProAV Customer Service for any questions.

### **NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that the interference will not occur on a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- ✓ **Reorient or relocate the receiving antenna of the device which may be causing the interference.**
- ✓ **Increase the separation between the screen and the device's receiver.**
- ✓ **Connect the equipment into a different power outlet other than the device.**


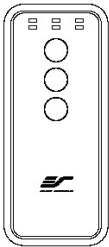

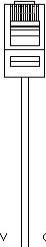

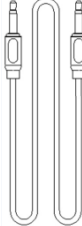
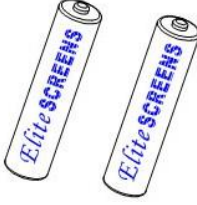
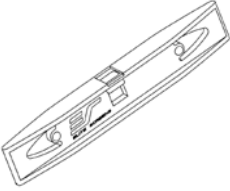
### **Pre-Installation**

1. Carefully unpack the screen.
2. Always handle the screen in a leveled position on a clean surface.
3. In order to protect the screen from exposure to stains, keep the screen out of contact with foreign particles such as dust, sawdust, and/or liquids.

### **NOTE**

Regardless of the mounting method, the screen should be securely supported so that the vibration or pulling on the viewing surface will not cause the casing to become loose or fall. The installer must insure the fasteners that are used are of adequate strength and suitable for the installation location.

## Evanesce Tab-Tension Series| Controls and Accessories

A. IR Remote	B. RF Remote	C. Wall switch control box	D. 5-12 volt trigger cable
			 Red 12V    Green 0V
E. IR extended “eye” receiver	F. Wireless 5-12v (3.5 mm) mono trigger cable	G. AAA batteries	H. Bubble leveler
			

### Screen operation

**Electric Current:** Depending upon region, your EliteProAV™ screen will operate on 100v, 110v, or 220v voltage.

1. After ensuring the power outlet & screen are compatible (voltage), plug the power cord into the poweroutlet.
2. Once the screen has power, you’ll be able to control it using any of the 6 methods described below.

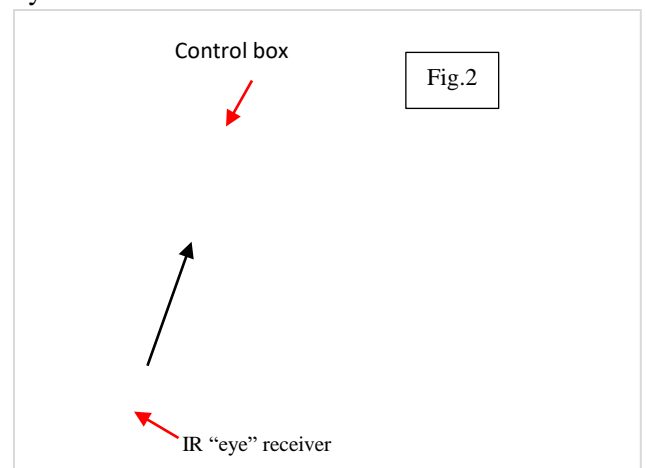
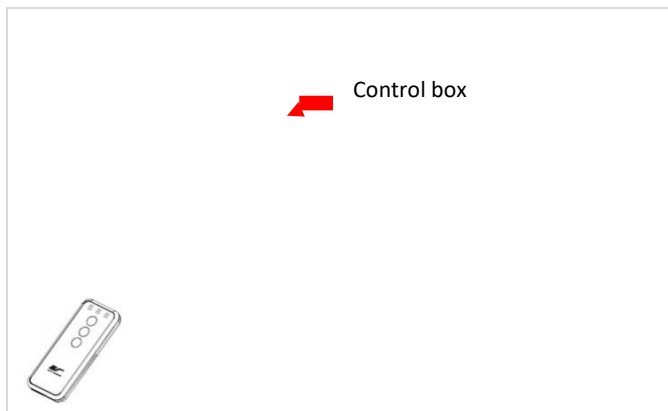
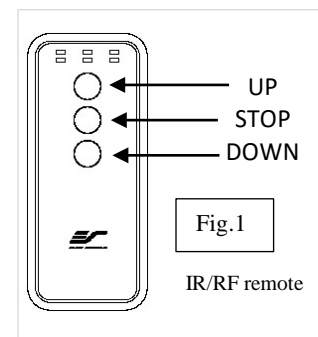
### 6 ways to control your Evanescence Tab-Tension

1. **IR remote control** (Item A, Fig 1): The Infrared functions by direct line of sight contact with a beam range of 30 feet. Aim the IR remote at the “eye” receiver once it has been connected to the control box’s RJ45 port.

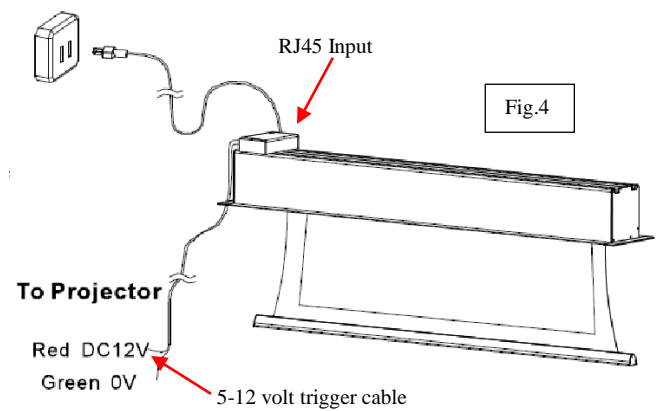
2. **IR “Eye” Receiver** (Item E, Fig 2): The IR “Eye” Receiver plugs directly into the control box’s RJ45 port to present a low profile line-of-sight control option for your IR remote control even in a recessed ceiling installation.

3. **RF Remote Control** (Item B): The radio waves eliminate the need for a direct line of sight with a range of 100 feet.

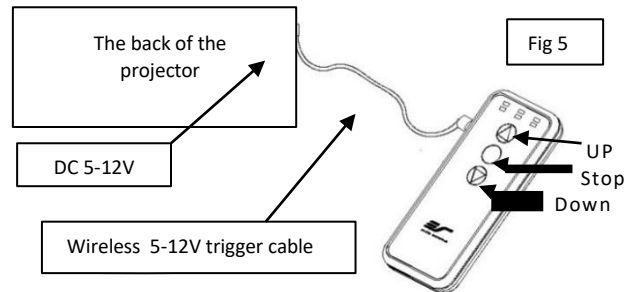
4. **3-Way Wall Switch** (Item C, Fig 3): The 3-way wall switch is a wall mount switch with an up/stop/down button and plugs directly into the control box’s RJ45 port.



**5. 5-12 volt trigger (Item D, Fig 4):** The built-in 5-12V trigger input allows your screen to synchronize its drop & rise with the projector's power cycle. The screen deploys when the projector powers up and will retract when the projector powers down. The 5-12 volt RJ45 cable connects to your projector's trigger output via a separate cable that may or may not be provided by the manufacturer of the projector. The trigger feature will not work without an output cable from the projector, but it can be tested by connecting the Red (+) and Green (-) cable to a 9-volt battery.



**6. Wireless 5-12 volt trigger (Item F, Fig 5):** The RF remote control serves as a dual purpose, independently as a handheld remote control, or in conjunction with the Wireless 5-12 volt trigger cable. The radio frequency technology can be programmed to send a wireless signal to synchronize its drop/rise with the projector's power cycle.



### **Here's how to set up your Wireless 5-12 volt trigger | Synchronization Instructions**

**Step1:** Connect one end of the 3.5 mm wireless 5-12 volt trigger cable to the RF remote.

**Step 2:** Connect the other 3.5 mm end of the wireless 5-12 volt trigger cable to your projector

**Step 3:** Make sure to unplug your screen from the power outlet

**Step 4:** Hold the **UP** button on your RF remote

**Step 5:** While holding the **UP** button, plug the screen back to the power outlet

**Step 6:** Wait 5 seconds and then release the **UP** button

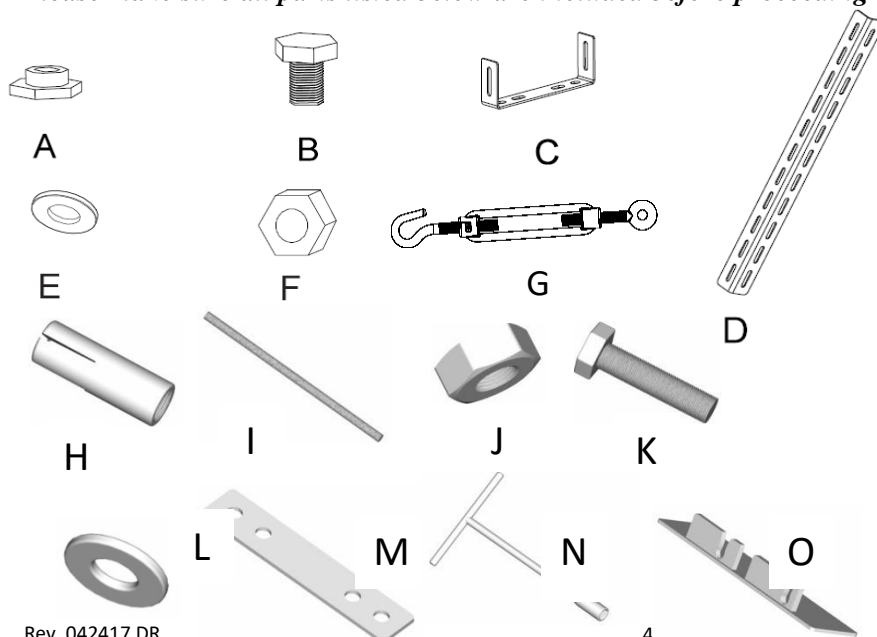
**Step 7:** Your 5-12V wireless trigger should now be activated with your screen and ready to be used and able to control your screen with your projector's power cycle

Repeat the steps again if not successful.

(Please be aware, the projector on/off cycle may take longer to fully activate. It usually takes around 20-30seconds for full off and on cycle each time)

### **Hardware Parts List for Evanesce Tab-Tension Series**

*Please make sure all parts listed below are included before proceeding with the installation.*



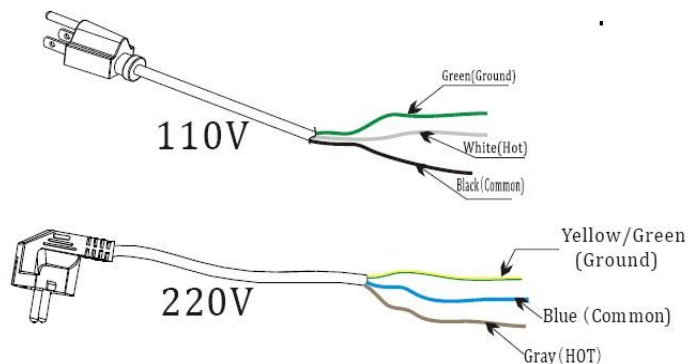
Hardware Parts List	QTY
A. Case Rail Nut	4-6
B. Hex Screw	4-6
C. Hanging Bracket	2-3
D. Suspension Bar	4
E. Washer	8-10
F. Hex Nut	4-6
G. Suspension Bar J- Hook	4
H. M8 Top Expanding Bolt	4
I. M8 Threaded Rod	4
J. M8 Screw Nut	20
K. M8 Hexagonal Screw	4
L. M8 Screw Washer	28
M. Installation Bracket	2
N. Socket Wrench	1
O. White cover flange panel	2

## Installation Instructions

The Evanesce Tab-Tension allows access for above or below ceiling installation. Please follow the instructions described in the following steps below for your type of installation.

### Power

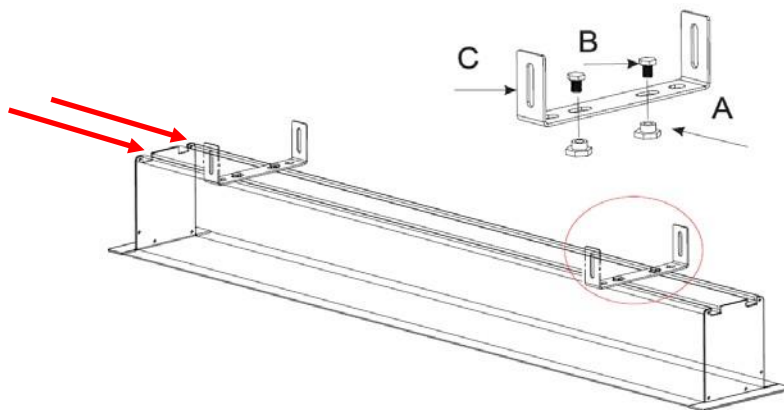
The Evanesce Tab-Tension B Series includes a 3-Prong Power Cord (2-Prong Power Cord for some countries) for use in a non-concealed power outlet. If your installation will be entirely concealed (including power outlet), EliteProAV strongly recommends a hardwire connection. Please refer to the image below for both 110v & 220v wiring information.



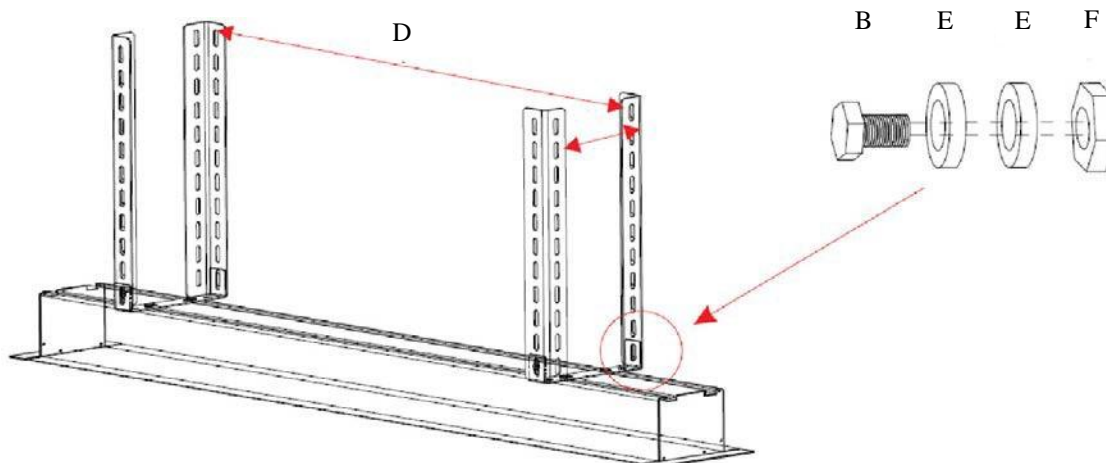
## A. Above ceiling installation instructions

### Assembly

1. Insert the Hex Screw (B) through the Hanging Bracket's (C) screw hole and secure with the Case Rail Nut (A). Slide the Hanging Bracket (C) through the railing on top of the case.

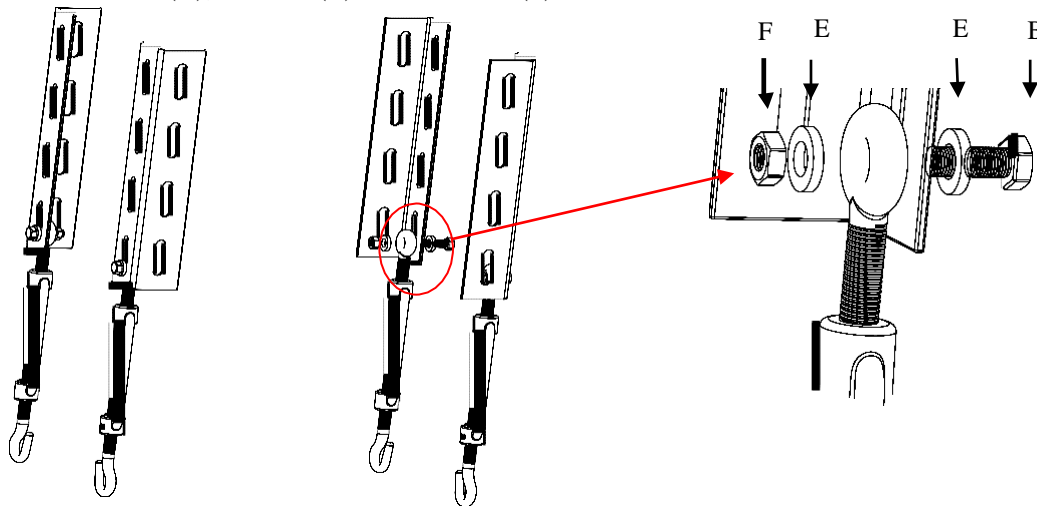


2. Place the Suspension Bar (D) on the Hanging Bracket (C) and align with the hole as shown below. Secure the Suspension Bar (D) with the Hex Screw (B), Washer (E) and the Hex Nut (F). Install the Suspension Bars (D) to your ceiling according to their distance.

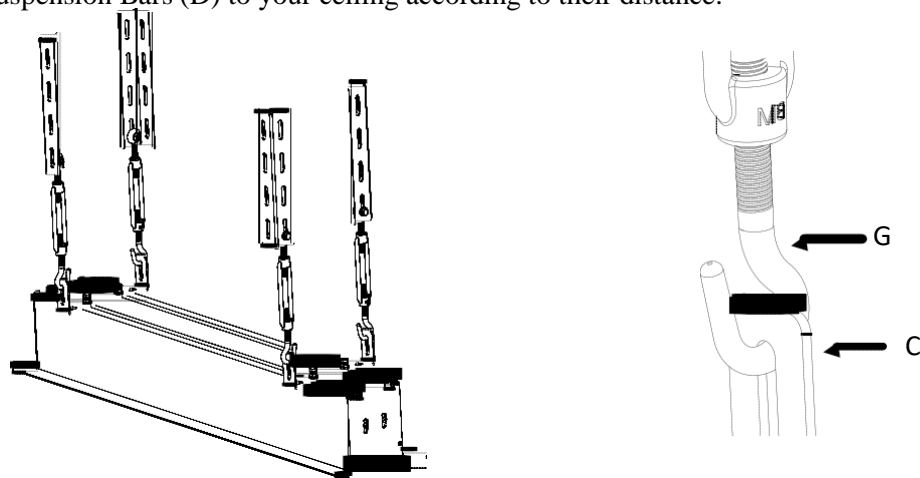


## Optional Suspension Bar J-Hook (G)

1. Attach the Suspension Bar J- Hook (G) to the bottom of the Suspension Bar (D) and secure with the Hex Screw (B), Washer (E) and Hex Nut (F).



2. Attach the Suspension Bar J-Hook (G) to the Hanging Bracket (C) as shown in figure below. Install the Suspension Bars (D) to your ceiling according to their distance.



## Optional Installation (parts & hardware not included)



Screw bolt X 4

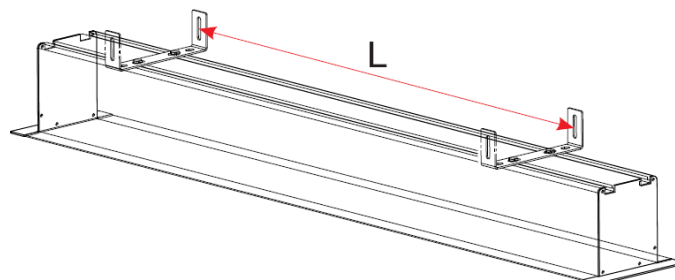


Washer X 8

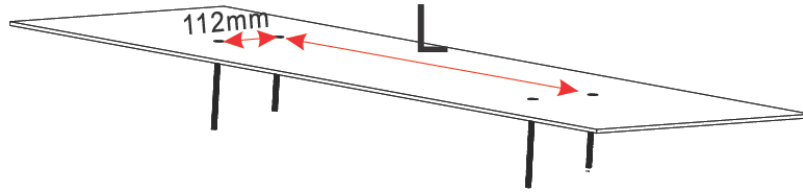


Nut X 8

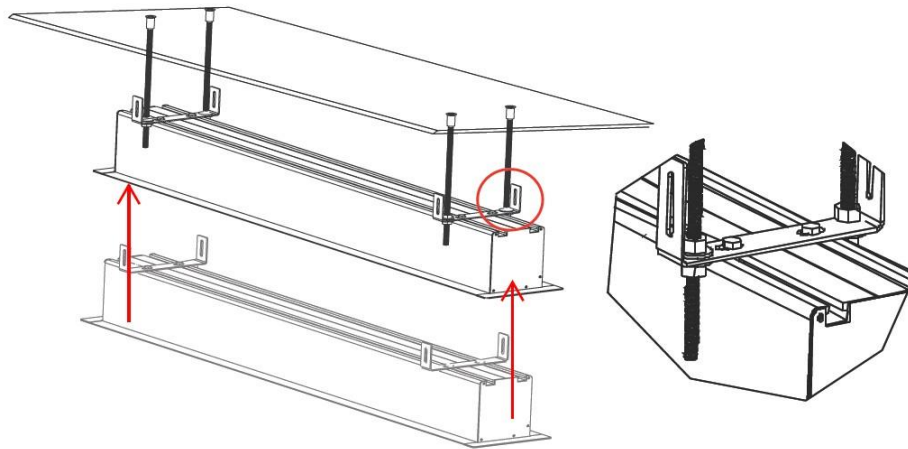
1. Place the Hanging Bracket (C) in the desired location on the screen's housing and measure the distance as shown below. (L = Distance)



2. Mark the location of where the screen will be installed according to the distance (L) and then secure the bolt to the ceiling.



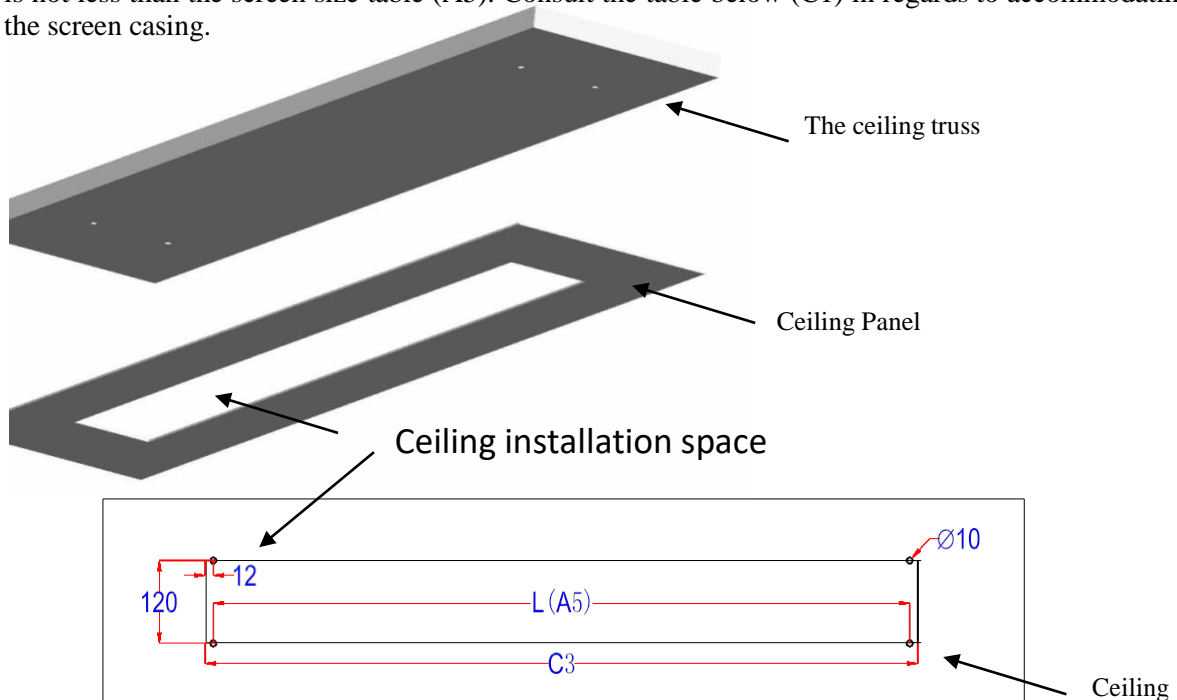
3. Install the screen to the screw bolt as shown in the figure below.



## B. Below ceiling installation instructions

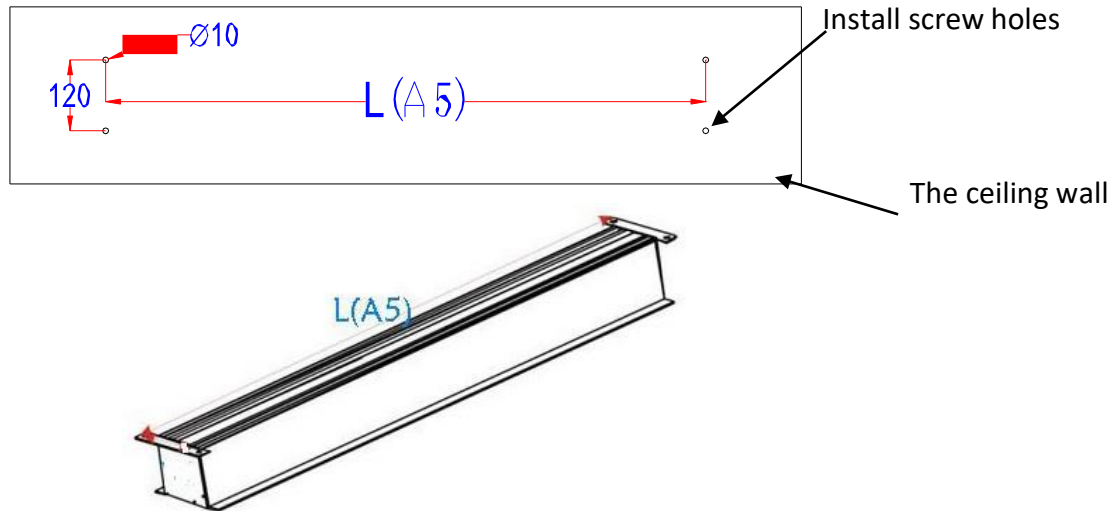
1. Measure and cut the ceiling installation space. The width should not exceed 120mm. Please refer to the length on the screen size table (C3).

Note: The length of the installation space is not greater than the screen size table (C3), and the width is not less than the screen size table (A5). Consult the table below (C1) in regards to accommodating the screen casing.

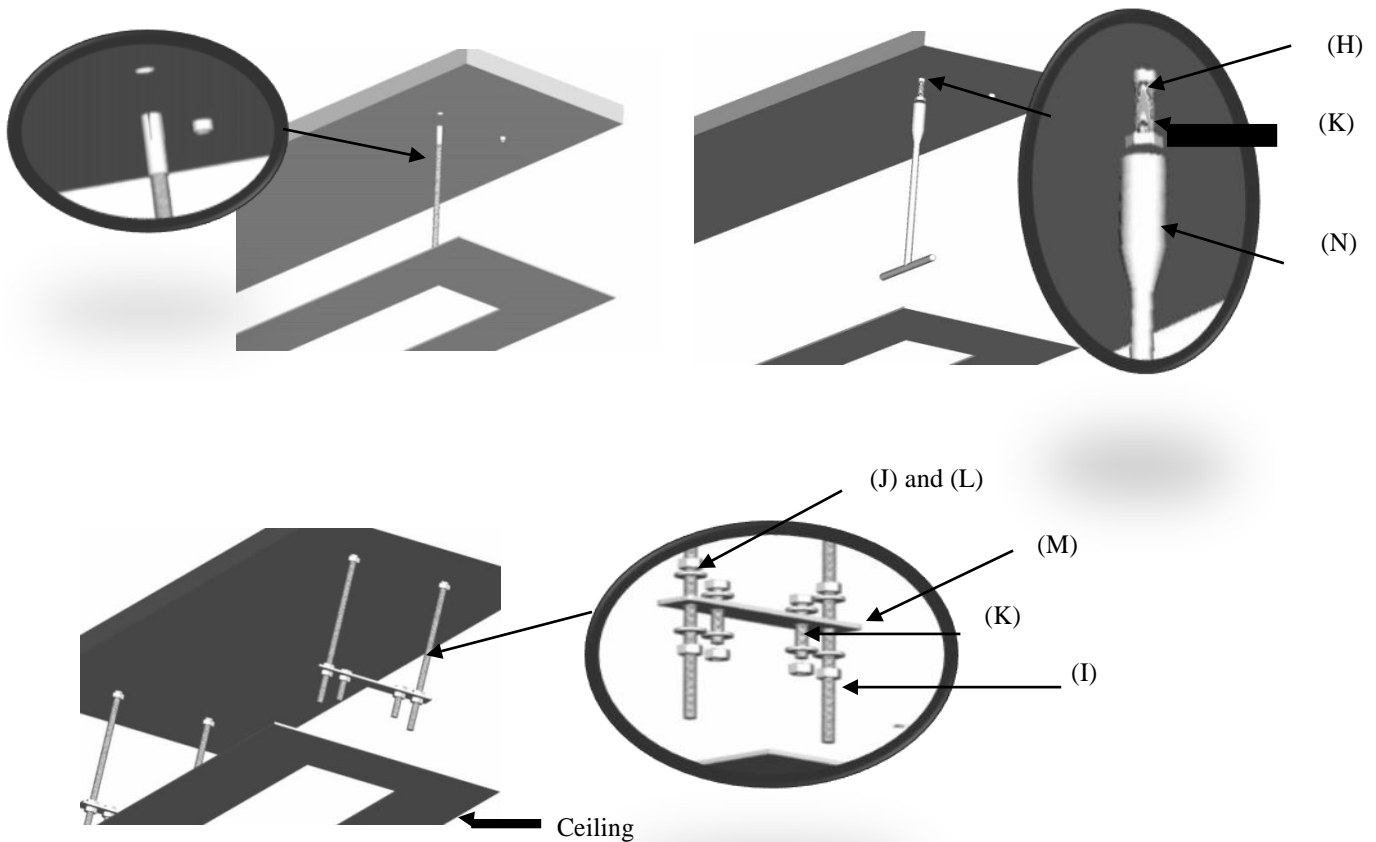




2. Drill 4 holes in the ceiling that correspond with the attachments on the various casing sizes.

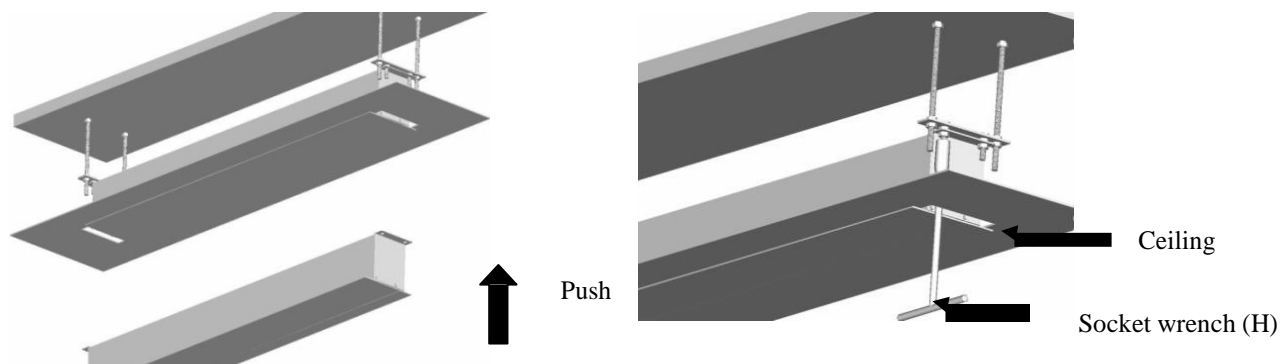


3. The expanding bolts (H) mount into thick wood beams, stone or concrete and will support the screen. Use the Socket wrench (N) to attach the hexagonal screws (K). The expanding bolts should be firmly tightened and tested to make sure that they will hold the weight of the screen.

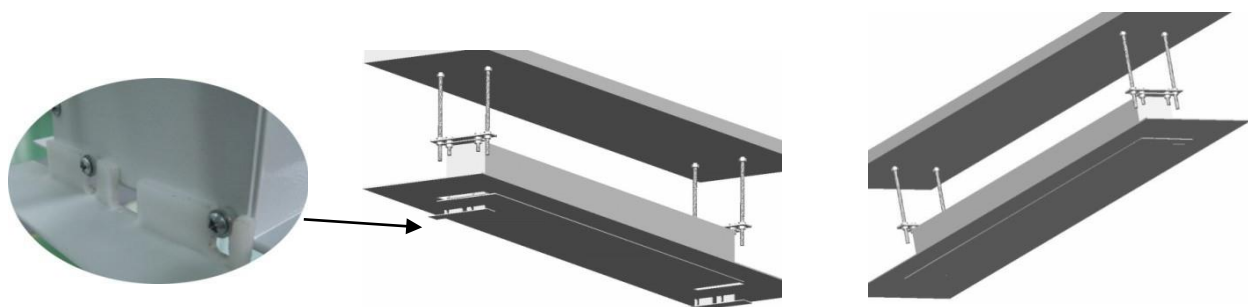


4. Push the screen up into the space. Use the threaded rods (I) to attach the screen assembly to the ceiling. The hexagonal screws (K) will connect the screen to the rest of the assembly. Once firmly in place, use the nuts (J) to ensure a firm connection. Use the socket wrench (N) to make sure that the bolts are firmly tightened.





5. Install plastic cover panel (O) to complete the installation.



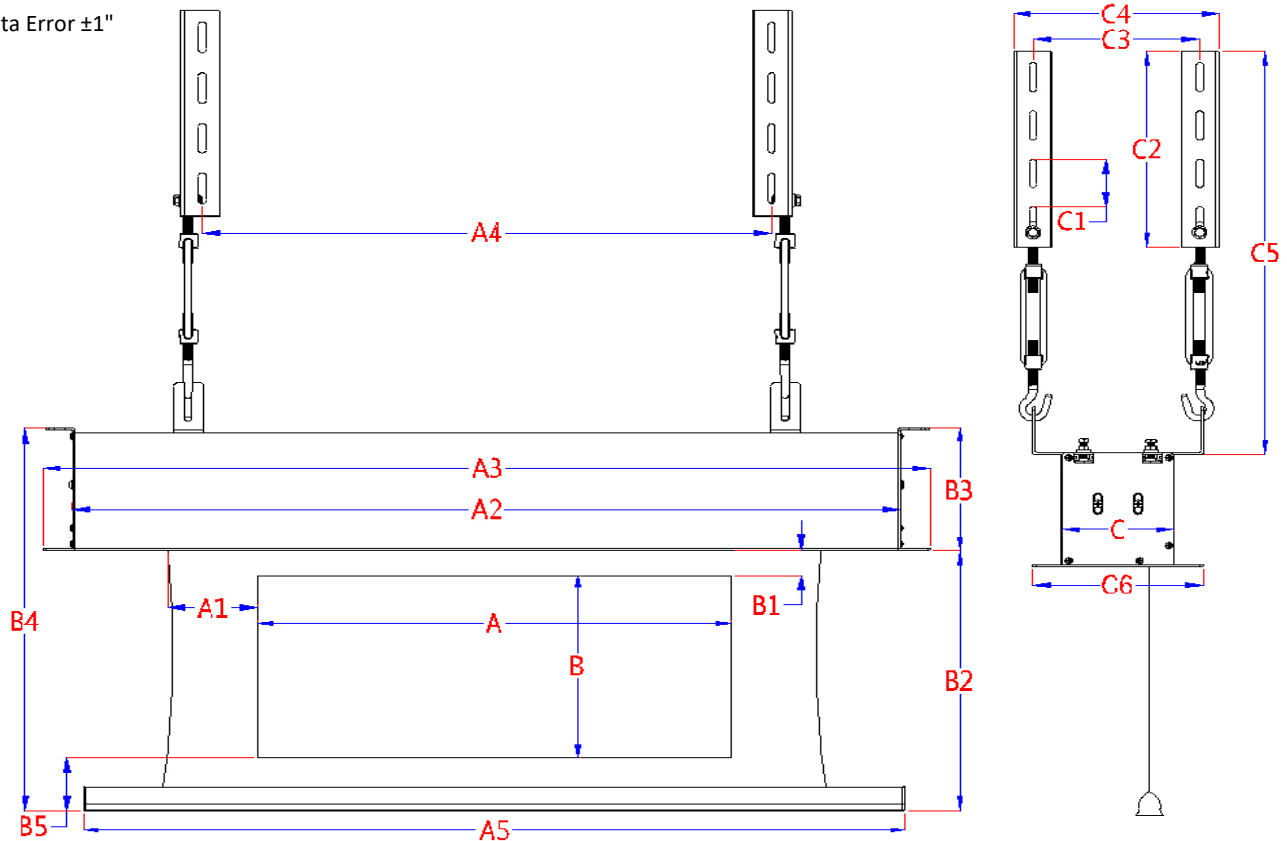
## Dimensions Table

### A. Above ceiling installation dimensions

Model	A	A1	Screen Width	A2	A3	A4	A5	B	B1	B2	B3	B4	B5	C	C1	C2	C3	C4	C5	C6
Unit: Inches																				
ITE84 VW2-E30	67.2	3.7	74.6	79.6	82.0	63.9	79.2	50.4	30.0	84.3	4.6	89.0	3.9	3.9	2.0	36.4	5.7	7.1	45.1-47.4	5.8
ITE100 VW2-E8	80.0	3.7	87.5	92.4	94.8	76.7	92.0	60.0	8.0	71.9	4.6	76.6	3.9	3.9	2.0	36.4	5.7	7.1	45.1-47.4	5.8
ITE120 VW2-E8	96.0	3.7	103.5	109.1	111.4	93.3	108.7	72.0	8.0	83.9	4.6	88.5	3.9	3.9	2.0	36.4	5.7	7.1	45.1-47.4	5.8
ITE84 HW2-E30	73.2	3.7	80.7	85.6	88.0	69.9	85.2	41.2	30.0	75.1	4.6	79.8	3.9	3.9	2.0	36.4	5.7	7.1	45.1-47.4	5.8
ITE100 HW2-E8	87.2	3.7	94.6	99.6	102.0	83.9	99.2	49.0	8.0	60.9	4.6	65.6	3.9	3.9	2.0	36.4	5.7	7.1	45.1-47.4	5.8
ITE106 HW2-E8	92.4	3.7	99.9	104.7	107.1	89.0	104.3	52.0	8.0	63.9	4.6	68.5	3.9	3.9	2.0	36.4	5.7	7.1	45.1-47.4	5.8
ITE120 HW2-E8	104.6	3.7	112.1	117.0	119.4	101.3	116.6	58.8	8.0	70.7	4.6	75.4	3.9	3.9	2.0	36.4	5.7	7.1	45.1-47.4	5.8
ITE135 HW2-E8	117.7	3.7	125.2	130.3	132.7	114.6	129.9	66.2	8.0	78.1	4.6	82.8	3.9	3.9	2.0	36.4	5.7	7.1	45.1-47.4	5.8

Model	A	A1	Screen Width	A2	A3	A4	A5	B	B1	B2	B3	B4	B5	C	C1	C2	C3	C4	C5	C6
ITE126 XW2-E8	106.9	3.7	114.3	119.3	121.7	103.5	118.9	66.8	8.0	78.7	4.6	83.3	3.9	3.9	2.0	36.4	5.7	7.1	45.1-47.4	5.8
ITE139 XW2-E8	117.9	3.7	125.4	130.3	132.7	114.6	129.9	73.7	8.0	85.6	4.6	90.2	3.9	3.9	2.0	36.4	5.7	7.1	45.1-47.4	5.8
Unit: mm																				
ITE84 VW2-E30	1707	94	1895	2022	2083	1623	2012	1280	762	2141	117	2261	99	99	50	925	145	180	1146-1204	148
ITE100 VW2-E8	2032	95	2222	2347	2407	1947	2337	1524	203	1827	118	1945	100	98	50	925	145	180	1146-1204	148
ITE120 VW2-E8	2438	95	2628	2770	2830	2370	2760	1828	203	2131	118	2249	100	98	50	925	145	180	1146-1204	148
ITE84 HW2-E30	1860	95	2050	2175	2235	1775	2165	1046	762	1908	118	2026	100	98	50	925	145	180	1146-1204	148
ITE100 HW2-E8	2214	95	2404	2530	2590	2130	2520	1245	203	1548	118	1666	100	98	50	925	145	180	1146-1204	148
ITE106 HW2-E8	2347	95	2537	2660	2720	2260	2650	1320	203	1623	118	1741	100	98	50	925	145	180	1146-1204	148
ITE120 HW2-E8	2657	95	2847	2972	3032	2572	2962	1494	203	1797	118	1915	100	98	50	925	145	180	1146-1204	148
ITE135 HW2-E8	2989	95	3179	3310	3370	2910	3300	1681	203	1984	118	2102	100	98	50	925	145	180	1146-1204	148
ITE126 XW2-E8	2714	95	2904	3030	3090	2630	3020	1696	203	1999	118	2117	100	98	50	925	145	180	1146-1204	148
ITE139 XW2-E8	2994	95	3184	3310	3370	2910	3300	1871	203	2174	118	2292	100	98	50	925	145	180	1146-1204	148

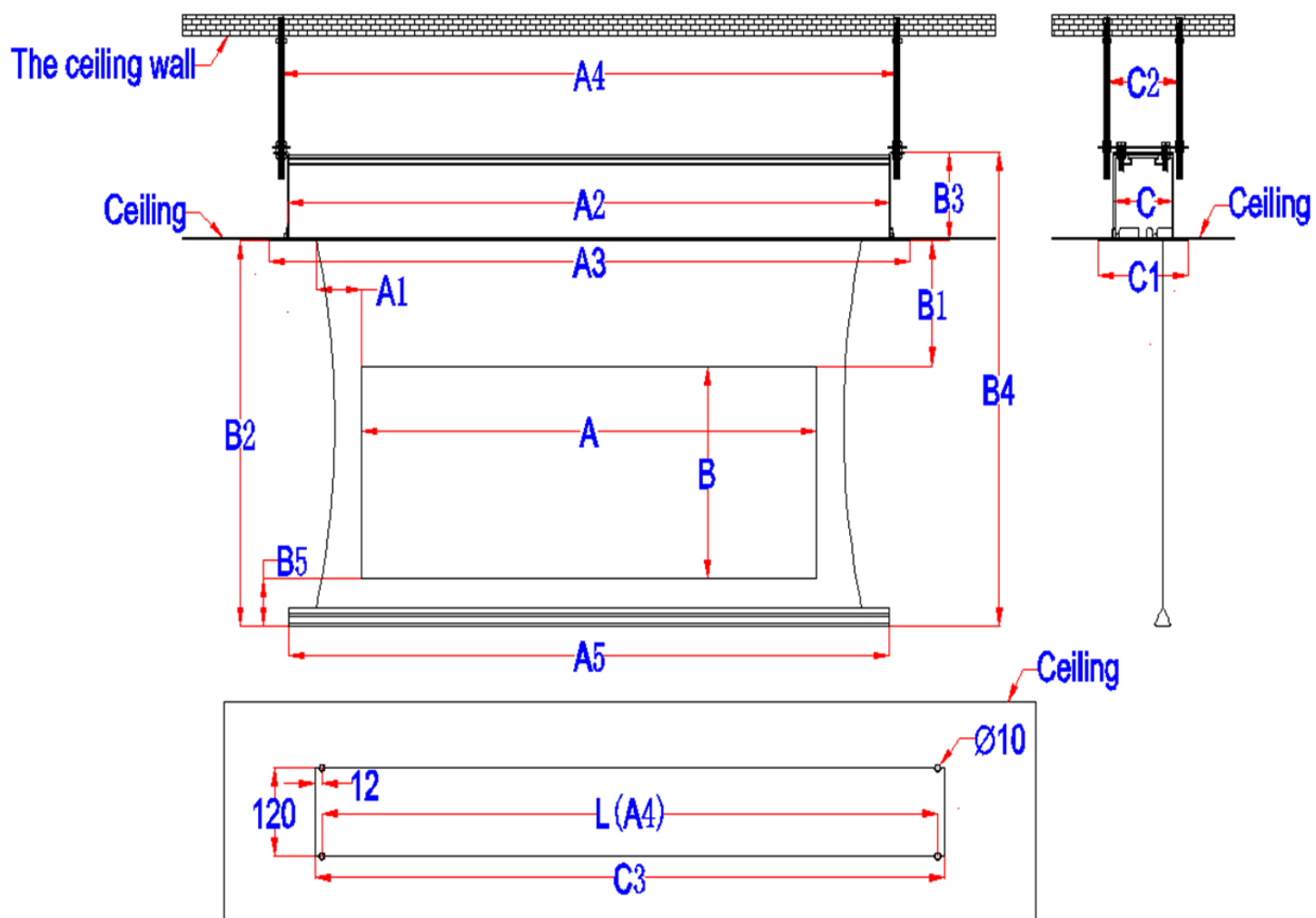
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## B. Below ceiling installation dimensions

Model	A	A1	Screen Width	A2	A3	A4	A5	B	B1	B2	B3	B4	B5	C	C1	C2	C3
Unit: Inches																	
ITE84VW2-E30	67.2	3.7	74.6	79.6	82.0	63.9	79.2	50.4	30.0	84.3	4.6	89.0	3.9	3.9	2.0	36.4	5.7
ITE100VW2-E8	80.0	3.7	87.5	92.4	94.8	76.7	92.0	60.0	8.0	71.9	4.6	76.6	3.9	3.9	2.0	36.4	5.7
ITE120VW2-E8	96.0	3.7	103.5	109.1	111.4	93.3	108.7	72.0	8.0	83.9	4.6	88.5	3.9	3.9	2.0	36.4	5.7
ITE84HW2-E30	73.2	3.7	80.7	85.6	88.0	69.9	85.2	41.2	30.0	75.1	4.6	79.8	3.9	3.9	2.0	36.4	5.7
ITE100HW2-E8	87.2	3.7	94.6	99.6	102.0	83.9	99.2	49.0	8.0	60.9	4.6	65.6	3.9	3.9	2.0	36.4	5.7
ITE106HW2-E8	92.4	3.7	99.9	104.7	107.1	89.0	104.3	52.0	8.0	63.9	4.6	68.5	3.9	3.9	2.0	36.4	5.7
ITE120HW2-E8	104.6	3.7	112.1	117.0	119.4	101.3	116.6	58.8	8.0	70.7	4.6	75.4	3.9	3.9	2.0	36.4	5.7
ITE135HW2-E8	117.7	3.7	125.2	130.3	132.7	114.6	129.9	66.2	8.0	78.1	4.6	82.8	3.9	3.9	2.0	36.4	5.7
ITE126XW2-E8	106.9	3.7	114.3	119.3	121.7	103.5	118.9	66.8	8.0	78.7	4.6	83.3	3.9	3.9	2.0	36.4	5.7
ITE139XW2-E8	117.9	3.7	125.4	130.3	132.7	114.6	129.9	73.7	8.0	85.6	4.6	90.2	3.9	3.9	2.0	36.4	5.7
Unit: mm																	
ITE84VW2-E30	1707	94	1895	2022	2083	2047	2012	1280	762	2141	117	2261	99	99	147	119	2070
ITE100VW2-E8	2032	95	2222	2347	2407	2372	2337	1524	203	1827	118	1945	100	98	148	120	2396
ITE120VW2-E8	2438	95	2628	2770	2830	2795	2760	1828	203	2131	118	2249	100	98	148	120	2819
ITE84HW2-E30	1860	95	2050	2175	2235	2200	2165	1046	762	1908	118	2026	100	98	148	120	2224
ITE100HW2-E8	2214	95	2404	2530	2590	2555	2520	1245	203	1548	118	1666	100	98	148	120	2579
ITE106HW2-E8	2347	95	2537	2660	2720	2685	2650	1320	203	1623	118	1741	100	98	148	120	2709
ITE120HW2-E8	2657	95	2847	2972	3032	2997	2962	1494	203	1797	118	1915	100	98	148	120	3021
ITE135HW2-E8	2989	95	3179	3310	3370	3335	3300	1681	203	1984	118	2102	100	98	148	120	3359
ITE126XW2-E8	2714	95	2904	3030	3090	3055	3020	1696	203	1999	118	2117	100	98	148	120	3079
ITE139XW2-E8	2994	95	3184	3310	3370	3335	3300	1871	203	2174	118	2292	100	98	148	120	3359

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