

Lutron Design Files and Bluebeam® Revu®

Bluebeam allows for easier specification and increased accuracy to specify Lutron on every job. In addition, Bluebeam empowers the specification community through digital drawing tools in popular formats. Bluebeam Revu helps create an efficient and effective workflow beyond Lutron Designer.

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Lutron Design Files and Bluebeam Revu Overview

Bluebeam helps to provide designers, architects, and engineers the opportunity to have the latest information to specify Lutron products accurately on projects. For some tools, like Bluebeam, Lutron has also worked to offer a way to incorporate the output from the tool into the normal Lutron workflows as part of our myLutron platform and the Lutron Designer software.

Software Requirements

- Bluebeam Revu 2018 and newer (30-day free trial available for download on Bluebeam.com)
- Lutron myProjects
- Lutron Designer software
- Windows compatible PC/Laptop

Download and Installation of Design Files

Below is a list of step-by-step instructions on how to download Lutron Bluebeam Tool Chests.

Available to download on:

- Lutron.com/bluebeam
- Ketra.com/resources

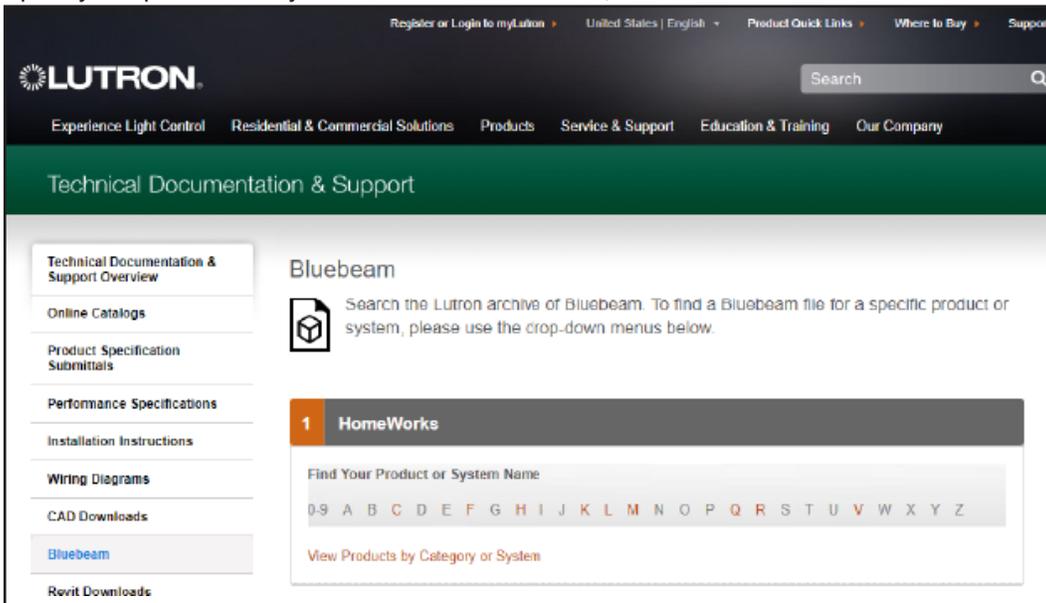
1. On Lutron.com, click on the **Service & Support** tab, then select **Bluebeam** under **Technical Documentation & Support**.

The screenshot shows the Lutron website's navigation and content structure. The top navigation bar includes links for 'Register or Login to myLutron', 'United States | English', 'Product Quick Links', 'Where to Buy', and 'Support'. The main navigation bar features 'Experience Light Control', 'Residential & Commercial Solutions', 'Products', 'Service & Support' (highlighted with a red box), 'Education & Training', and 'Our Company'. Below the navigation bar, the 'Service & Support' section is divided into four columns: 'Service', 'Technical Documentation & Support', 'Technical Papers', and 'Customer Assistance'. The 'Technical Documentation & Support' column contains a list of links, with 'Bluebeam' highlighted by a red box. Other links in this column include 'Technical Documentation & Support Overview', 'Specification Guides', 'Product Specification Submittals', 'Performance Specifications', 'Installation Instructions', 'Wiring Diagrams', 'CAD Downloads', 'Revit Downloads', 'Engraving Sheets', 'Product Customization Forms', and 'UL Conditions of Acceptability'.

Lutron Design Files and Bluebeam Revu Overview (continued)

Download and Installation of Design Files (continued)

- Specify the product or system desired. In this case, HomeWorks has been selected.



- Once a product or system is selected, click **Lutron Design Files Download**. Provide the requested information before proceeding to the tools download. When complete, click **Proceed to download**.

Note: Providing your information will allow us to send updates and new symbols when available.

Specification Tools					
Product Description	Model	Document Title	Model Number	Voltage	Download(s)
Lutron Design Files and Bluebeam® Revu® Application Note	All Models	Lutron Design Files and Bluebeam® Revu® Application Note			English (pdf)
How to Utilize Bluebeam with Lutron Design Files	All Models	How to Utilize Bluebeam with Lutron Design Files			English
Lutron Design Files Download	All Models	Lutron Design Files Download			English

Bluebeam and AutoCAD

Lutron designed these symbols to help you quickly take-off your job with Lutron products. Lutron is always updating these symbols, and we want to provide you with updates and new symbols as available. Please provide your **email address** and agree to the checkboxes below: *

I agree to the [Lutron privacy notice](#)

I understand that Lutron may contact me for feedback for continuous improvements of these tools.

Proceed to download

Lutron Design Files and Bluebeam Revu Overview (continued)

Download and Installation of Design Files (continued)

- An email will be received with the links to download the latest symbols.

Thank you for downloading our Bluebeam and AutoCAD symbols!

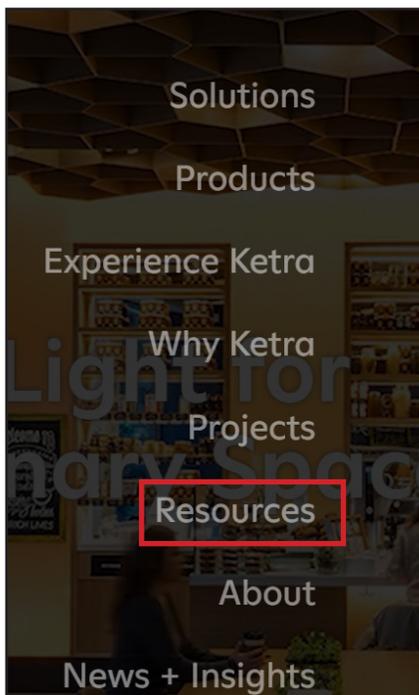
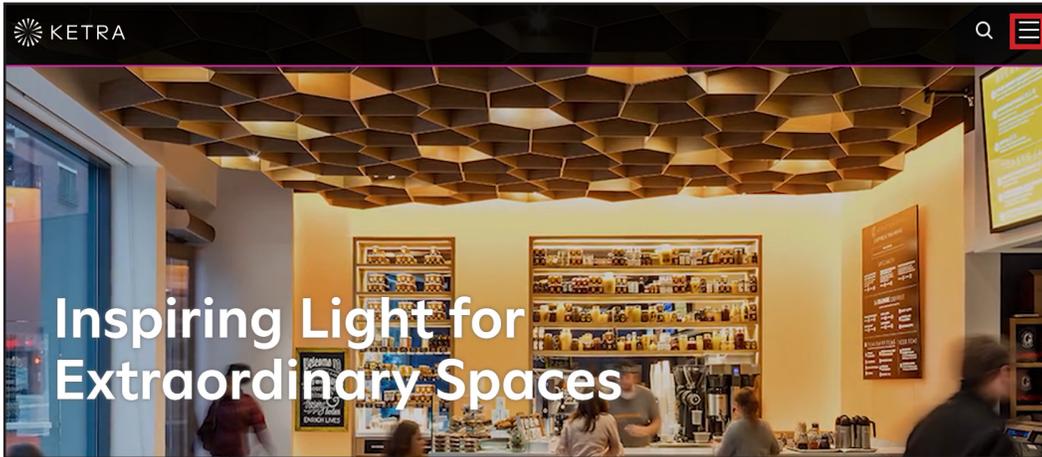
Please feel free to download our symbols:

- [BlueBeam](#)
- [AutoCAD](#)

Please send all feedback to ResiSys_Apps_Team@lutron.com

On www.ketra.com, follow the step-by-step download instructions below.

- Click the drop down in the top right corner of the page then click **Resources**.



Lutron Design Files and Bluebeam Revu Overview (continued)

Download and Installation of Design Files (continued)

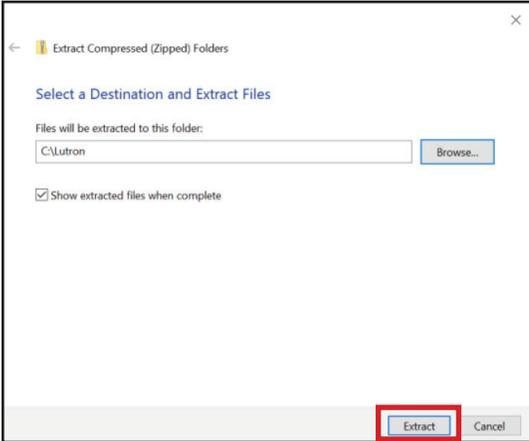
6. Under Technical Documents, select Bluebeam/CAD Files to download. Then please follow steps 3 and 4 on the previous pages.

Technical Documents	
Specifications	▼
Photometrics	▼
Installation Guides	▼
Wiring Diagrams	▼
One Line Diagrams	▼
Design Studio	▼
App Notes	▼
Revit Drawings	▼
Bluebeam/ CAD Files	▼
Bluebeam/CAD Tool Kit	

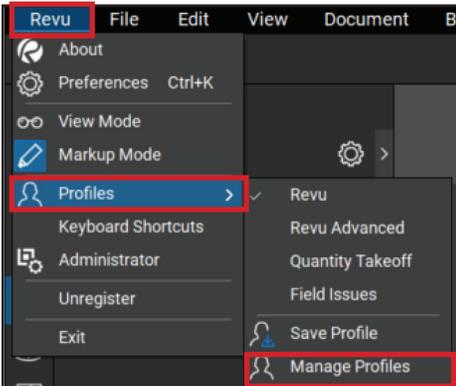
Lutron Design Files and Bluebeam Revu Overview (continued)

Download and Installation of Design Files (continued)

7. Ensure Bluebeam Revu is installed and closed to successfully install the Tool Chests.
8. Open Windows Explorer and create the folder “C:\Lutron” on your local drive.
9. Download the “Lutron Bluebeam.zip” file.
10. Extract the file to the “C:\Lutron” folder as shown below:



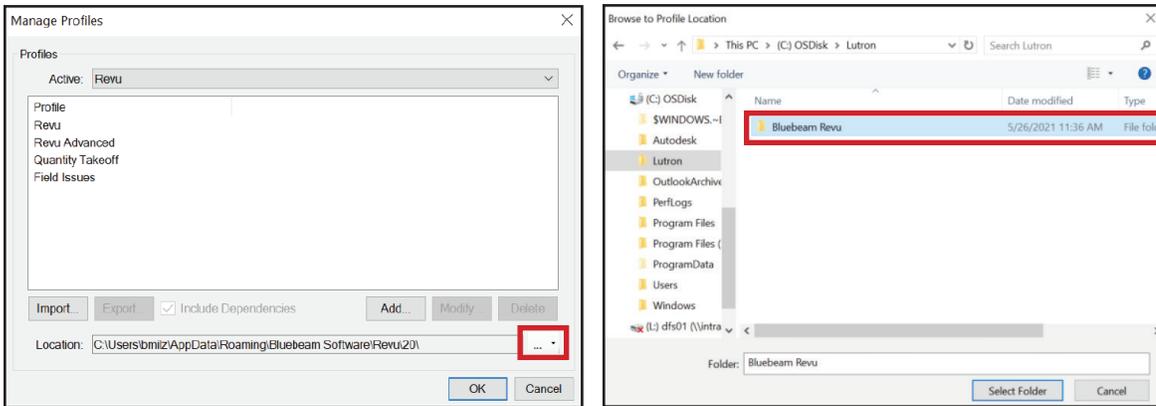
11. In Bluebeam Revu, go to Revu in the top left corner, select Profiles then click Manage Profiles.



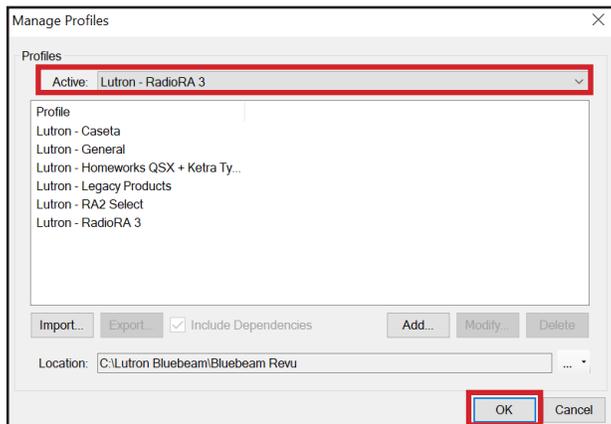
Lutron Design Files and Bluebeam Revu Overview (continued)

Download and Installation of Design Files (continued)

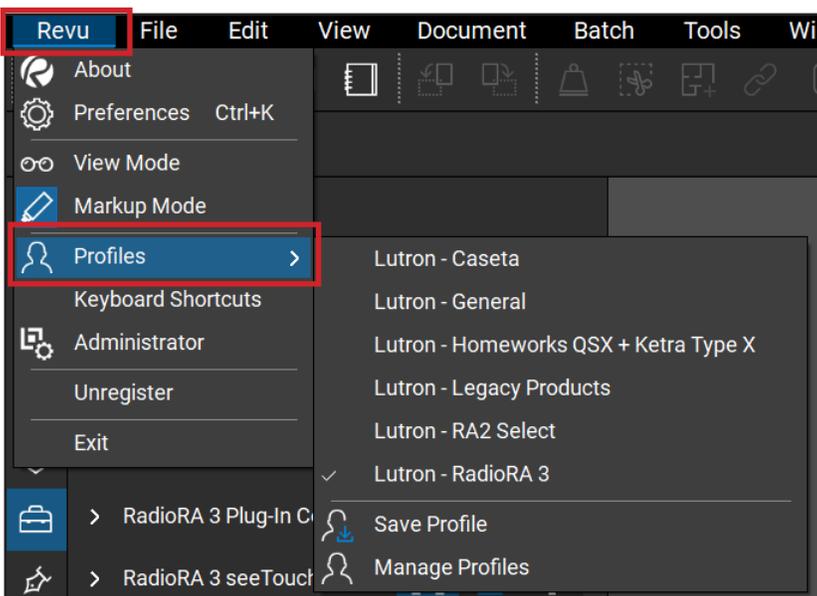
12. Under **Location**, select the “...” or **Browse**, navigate to your local drive where you created the folder “Lutron”, then select the extracted ZIP file Bluebeam Revu as shown below:



13. Once the profiles are loaded, select the **Active** profile you want to use and click **OK** as shown below:



14. To verify the Lutron profiles have been successfully installed, go to Revu in the top left corner, and select “Profiles”.



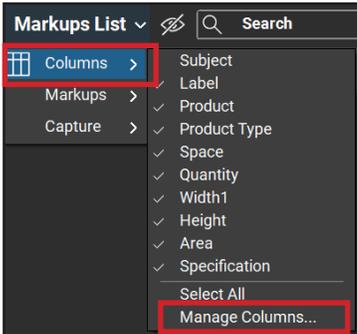
Lutron Design Files and Bluebeam Revu Overview (continued)

Download and Installation of Design Files (continued)

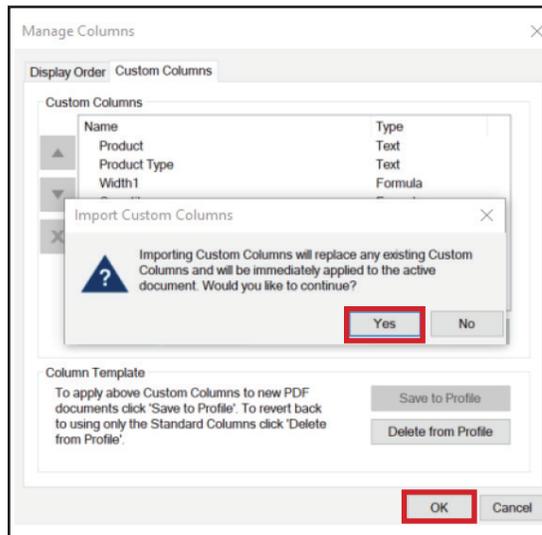
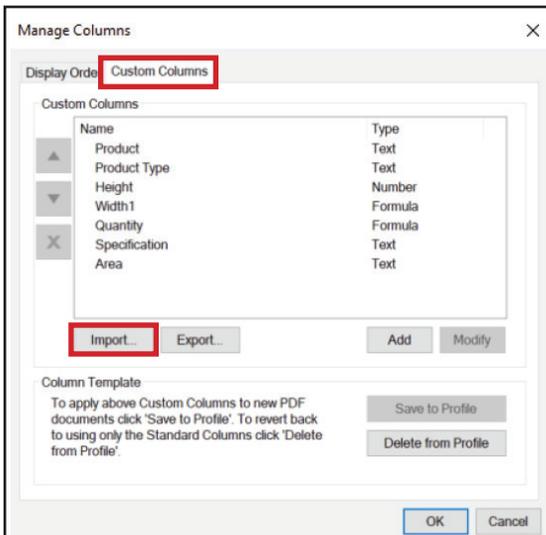
15. Once a drawing is loaded into Bluebeam, you may begin your project.

OPTIONAL: If HomeWorks Sunnata keypads or the LS0 Lightbar Slim are being used in projects, custom columns need to be imported into the **Markups List**. Please follow the below steps:

1. Click the drop down under **Markups List**, click **Columns** and select **Manage Columns**.



2. Navigate to the **Custom Column** tab and select **Import**. Open the **Bluebeam Revu** folder, select **Lutron Custom Columns**, click **Import**, select **Yes** and click **OK**.



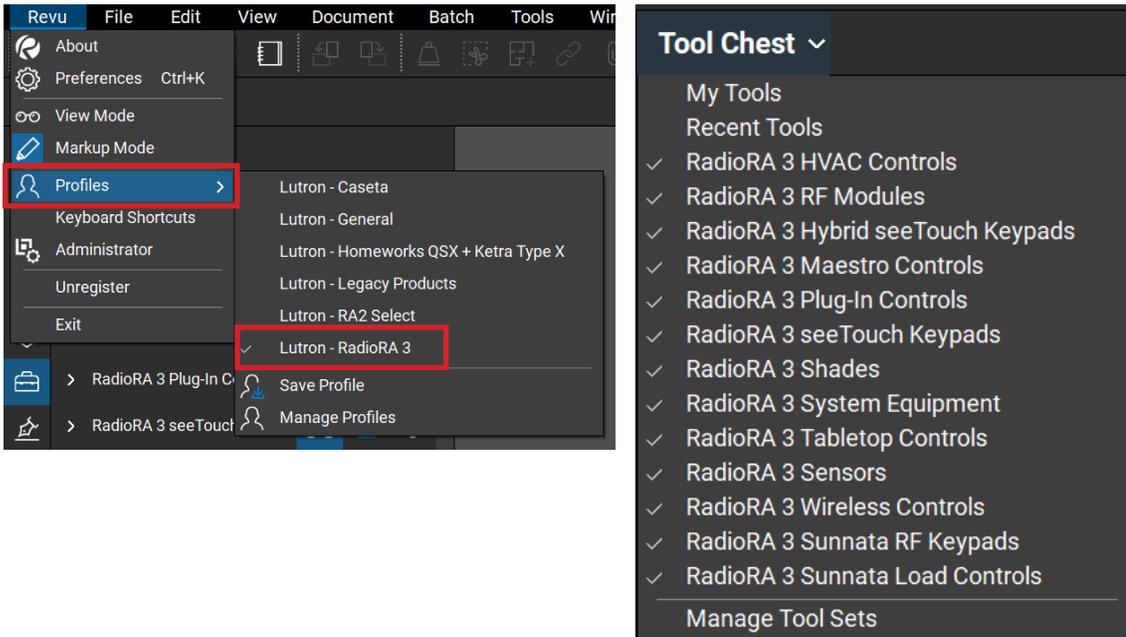
3. The following custom columns will appear:

Label	Product	Product Type	Space	Area	Quantity	Width1	Section 1 1	Height	Lumens	Specification	Components

Lutron Design Files and Bluebeam Tool Chests

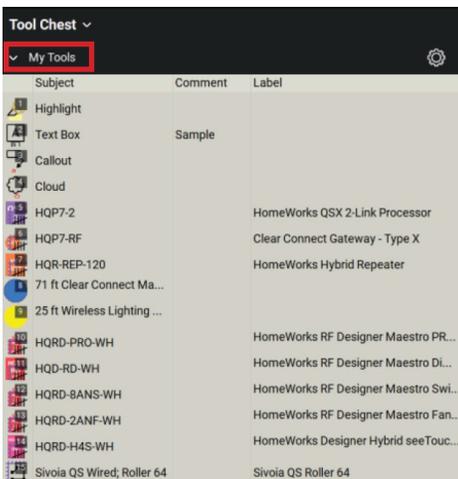
Tool Chest

The Tool Chest is organized into different Lutron product categories based upon the Lutron profile chosen.



My Tools

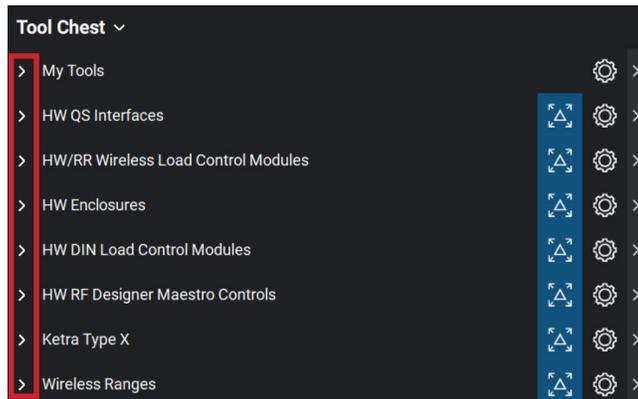
A built-in tool chest for frequently used Lutron products or additional created symbols. The My Tools tool chest will remain between design sessions.



Lutron Design Files and Bluebeam Tool Chests (continued)

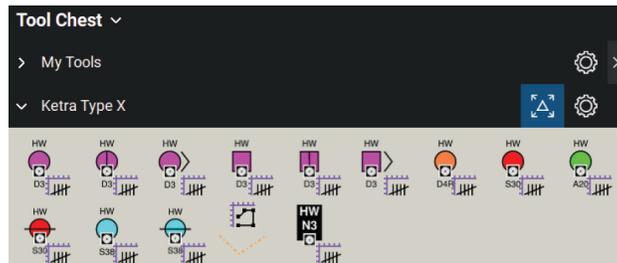
Tool Chest Toolbar

Expand / Collapse: Expands or collapses the product set within the Tool Chest.

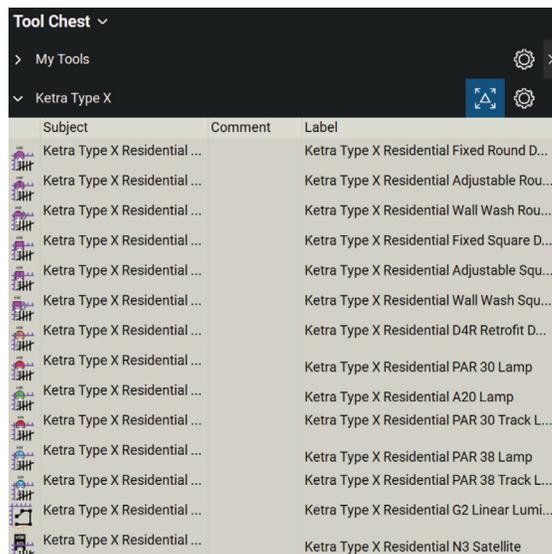


Properties Menu

Symbol: Products in the Tool Chest are shown as their symbol only.



Detail: Products in the Tool Chest are shown in a more detailed format, including the product full name.

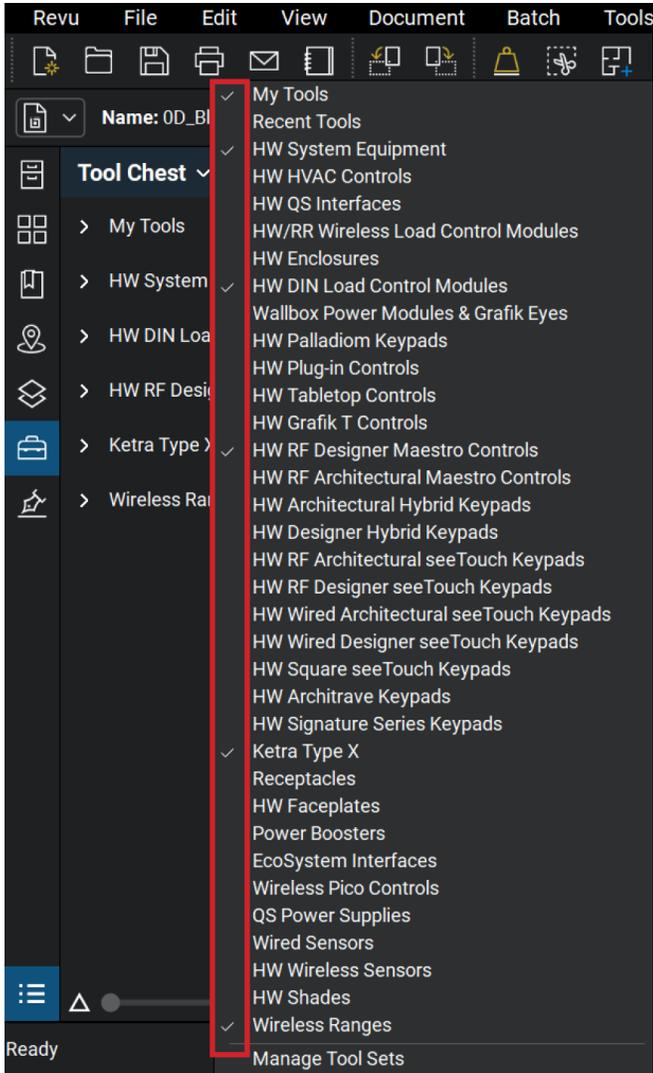


Lutron Design Files and Bluebeam Tool Chests (continued)

Tool Chest Toolbar (continued)

Properties Menu (continued)

Hide: Product tool sets can be hidden from the Tool Chest if not needed on a project. To show the hidden product tool set, select it from the Tool Chest menu.



Lutron Design Files and Bluebeam Tool Chests (continued)

Setting the Scale

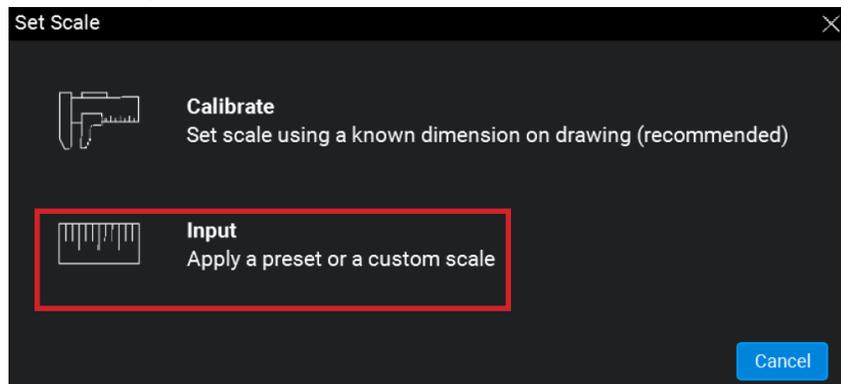
Sets the PDF drawing to scale to ensure accuracy of measurements, shading solutions, sensors, wireless and lighting ranges.

Preset and Custom

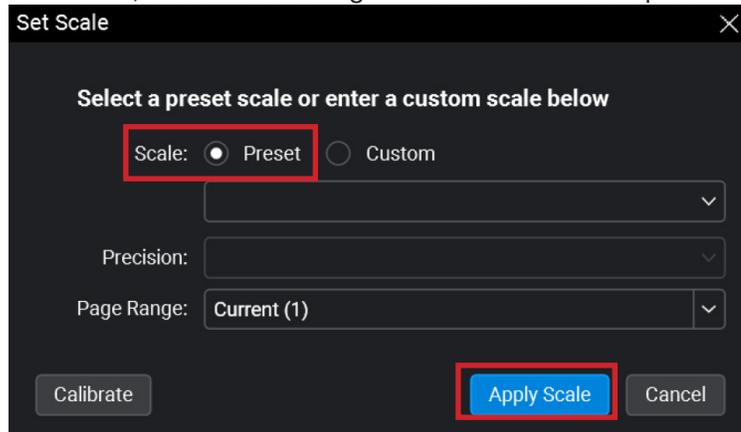
If the scale is known on the PDF drawing, use **Preset** for common scales or **Custom** for manual input.

Note: The scale must be set before any products are placed or measurements are taken on the drawing.

1. Click **Scale** not **Set** on bottom right side of the screen.
2. When dialog box appears, click **Input** **Apply** a preset or custom scale.



3. For **Preset**, select the drawing PDF scale from the drop-down menu.



4. For **Custom**, enter the scale in the fields provided.
5. Click **Apply Scale**.

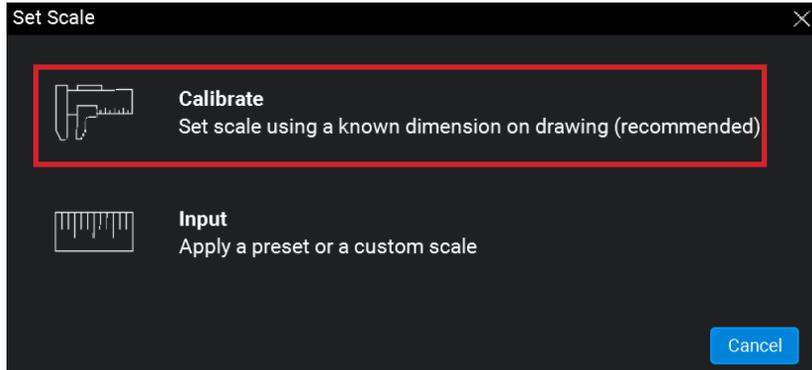
Lutron Design Files and Bluebeam Tool Chests (continued)

Setting the Scale (continued)

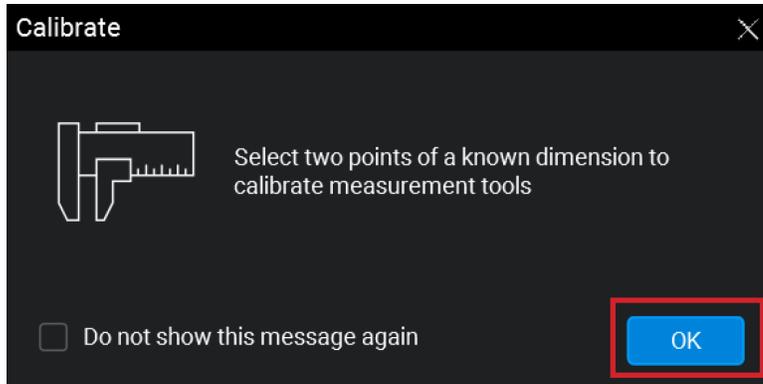
Calibrate

Allows accurate collaboration of the PDF by measuring the length between a known distance (doorway, ceiling tiles, etc.) on the drawing.

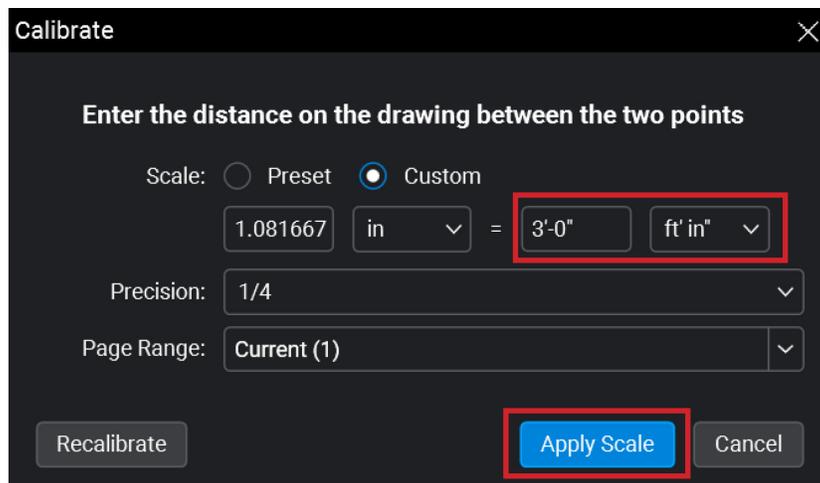
1. Click **Scale not Set** on bottom right side of screen.
2. When the dialog box appears, click **Calibrate**.



3. Select two known points. Click **OK**.
4. Find a known distance on the drawing. Click the first point, then click the second point to complete the distance.



5. The Calibration dialog box will appear, enter the known distance between the two points and select the correct units for the drawing.
6. Click **Apply Scale**

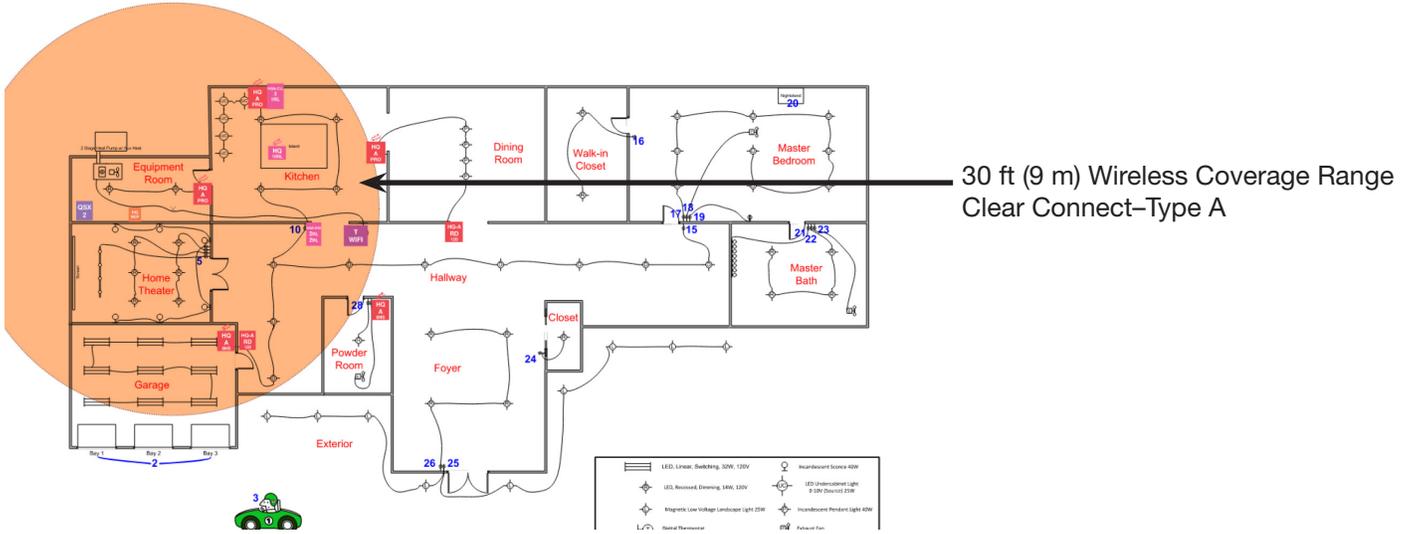


Lutron Design Files and Bluebeam Tool Chests (continued)

Wireless Ranges

Clear Connect–Type A

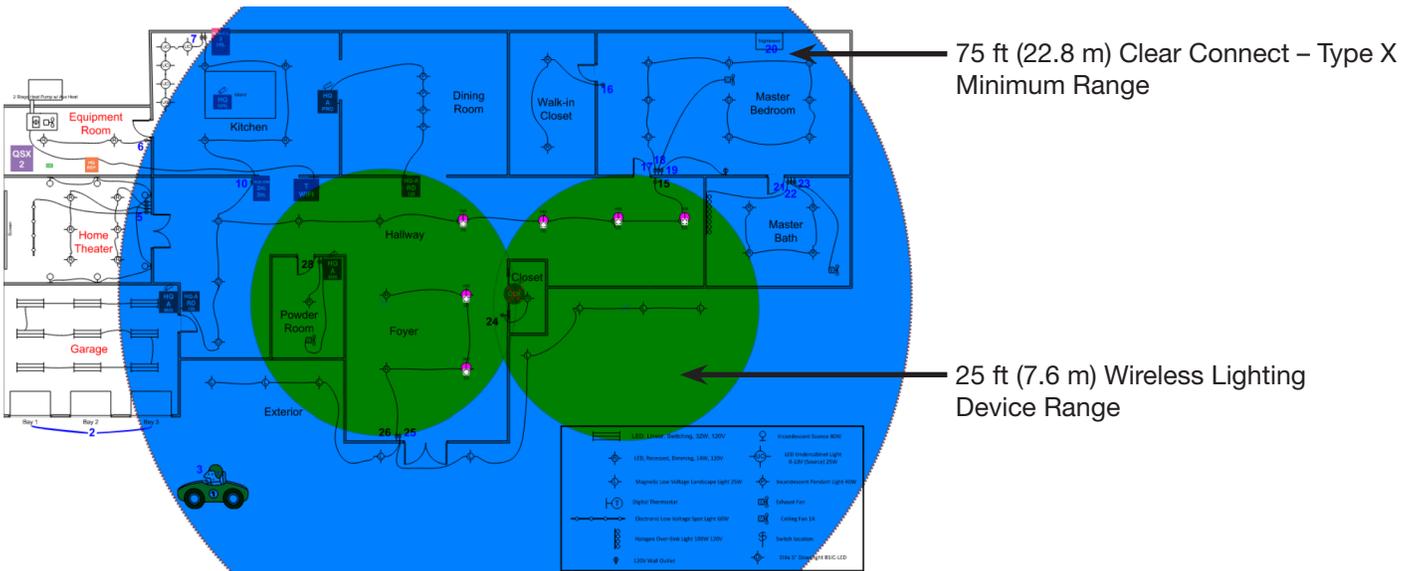
Below is a screenshot showing the usage of the 30 ft (9 m) Clear Connect Wireless–Type A radius which represents the recommended distance from device to the repeater. This can be used to verify proper wireless coverage and the need for additional repeaters on the link.



Clear Connect–Type X

The following screenshot demonstrates the usage of the 75 ft (22.8 m) and 25 ft (7.6 m) radii which are used with Clear Connect Wireless–Type X applications. The 75 ft (22.8 m) radius represents the range that all devices assigned to a Clear Connect Gateway–Type X must be within and the 25 ft (7.6 m) radius is used for both of the following verifications:

1. At least two Clear Connect Wireless–Type X devices must be within 25 ft (7.6 m) of their gateway.
2. Each Clear Connect Wireless–Type X device must be within 25 ft (7.6 m) of 2 other devices on the subnet.



Tips and Tricks

Markups List

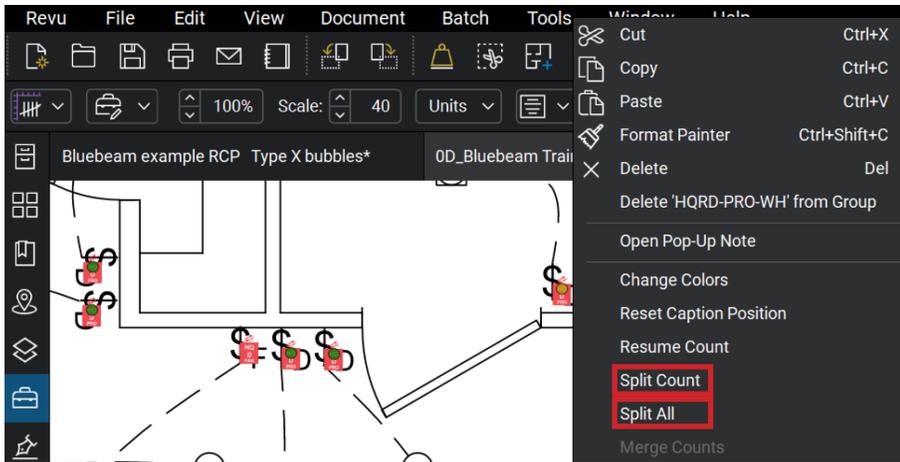
Splitting or Merging Counts

Products can be split into smaller groups by room or by space or merged into larger groups.

Split Counts

Product within rooms or spaces can be split in groups by selecting specific count measurements, or split into individual count measurements.

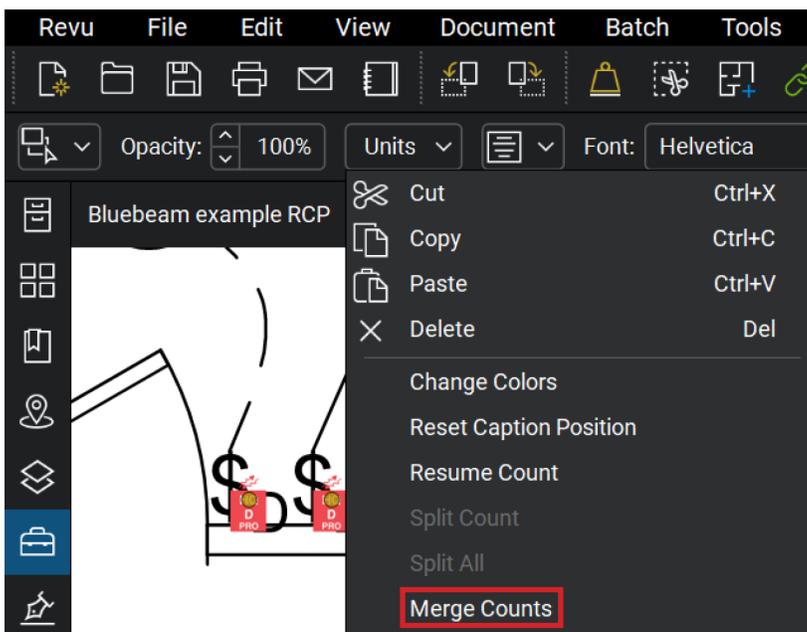
1. Right-click the selected product or symbol and select either:
 - a. **Split Count**: Splits only selected product or symbol on the PDF drawing.
 - b. **Split All**: Splits all the products or symbols into individual groups or line items.



Merging Counts

Products or count measurements can be combined into a singular group.

1. Right-click the selected product on the PDF drawing and select **Merge Counts**.



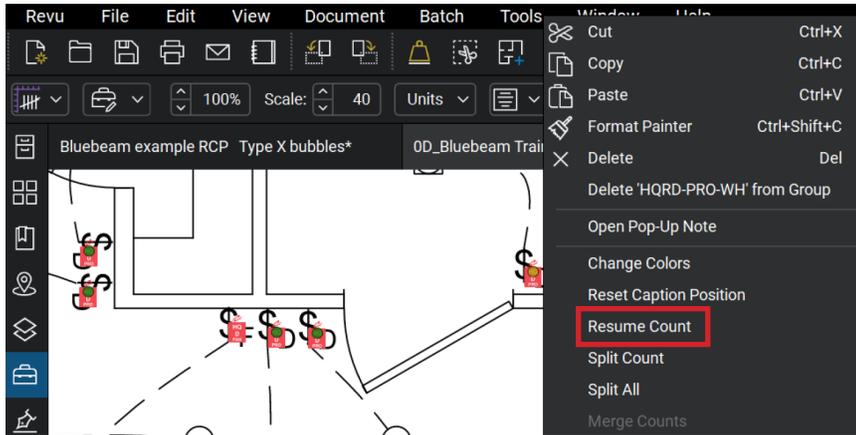
Tips and Tricks (continued)

Markups List (continued)

Resuming Counts

When a set of products is placed on the floorplan, beginning a new count will create a new line item. Resuming count will allow for the same product to be continually stamped within the original line item or count measurement.

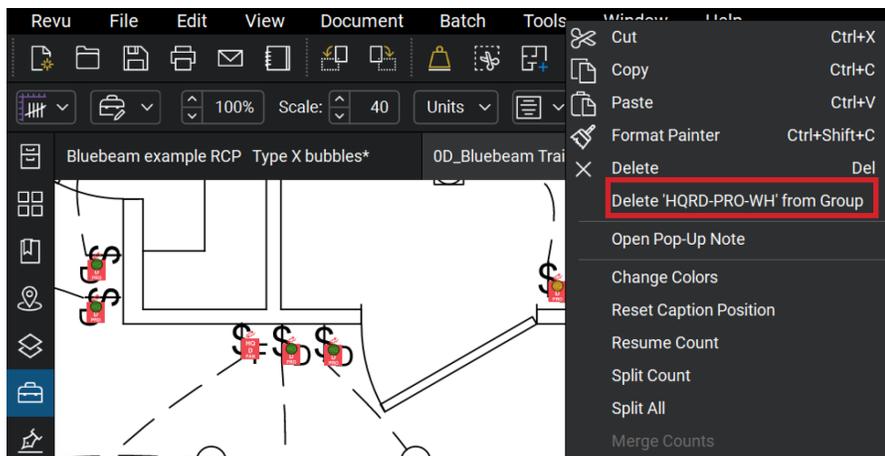
1. Right-click on any of the products on the PDF drawing and select **Resume Count**.



Deleting a Group

Product or count measurements can be removed from a group.

1. Right-click on the product within the PDF drawing you would like to remove.
2. Select Delete "product name" from Group.



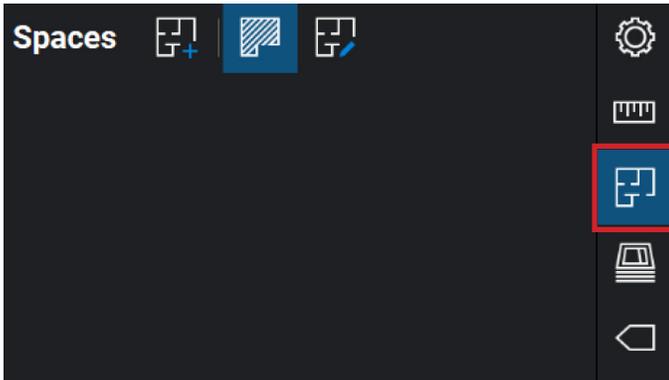
Tips and Tricks (continued)

Spaces

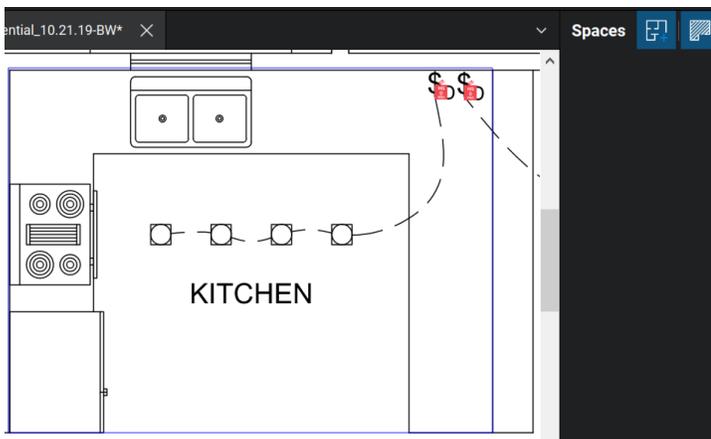
Designed to create a more efficient organized markups list. By setting up your PDF drawing with spaces, you will be able to find, filter, and report the stamped product more effectively. With spaces you can designate room within a drawing on an invisible layer.

Add a Space

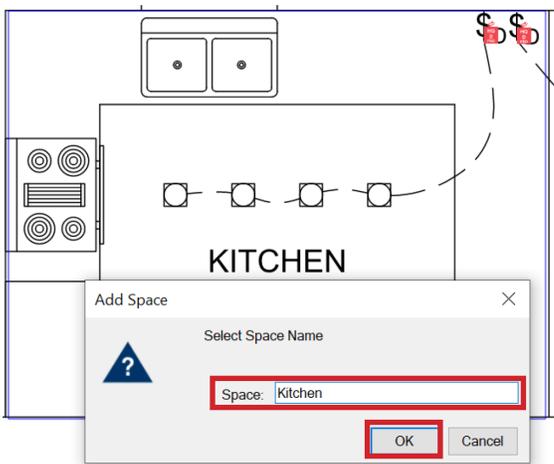
1. On the **Spaces** tab, click Add Space.



2. Click and drag a rectangle over the space.



3. In the dialog box, enter a name for the **Space** and click **OK**.

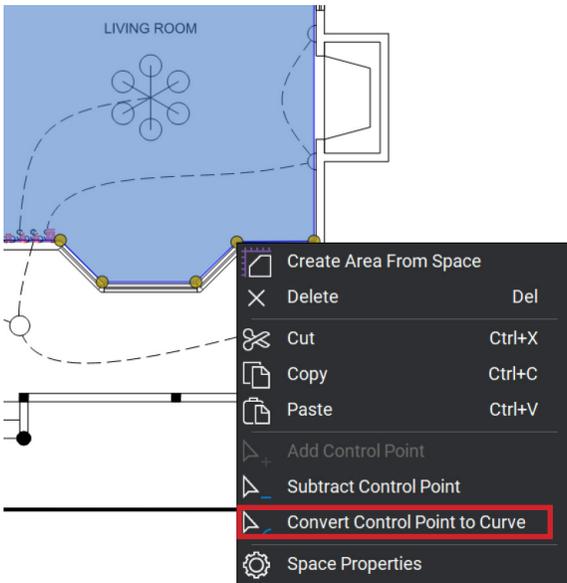


Tips and Tricks (continued)

Spaces (continued)

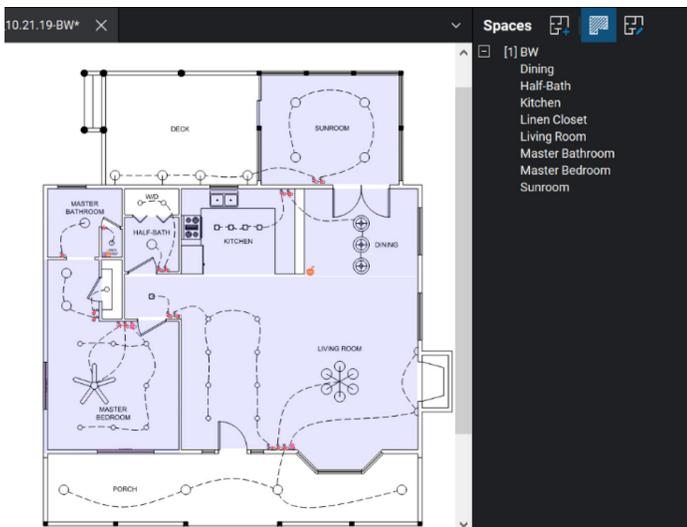
Adding a Space with Curved Walls

1. On the **Spaces** tab, click **Add Space**.
2. Click and drag a rectangle over the space and click **OK**.
3. Select the space from the space tab and the space will enter **Edit Space** mode.
4. Right-click the point closest to the desired curve and click **Convert Control Point to Curve**.
5. Click and drag the highlighted points to change the shape of desired curve.



Adding an Irregularly Shaped Space

1. On the **Spaces** tab, click **Add Space**.
2. Click once on a corner of the space.
3. Click again on each corner until the outline is completed.
4. Press enter to finish defining the space.
5. In the dialog box, enter a name for the space and click **OK**.



Tips and Tricks (continued)

Count Measurements Properties

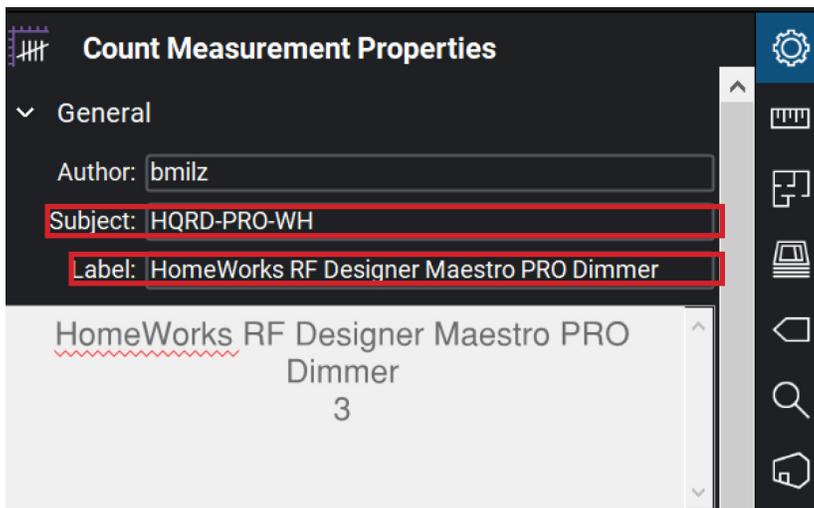
General

Shows the properties of the selected product or symbol on the PDF drawing. Each product or symbol, under the General section, includes a Subject and Label property.

Note: The Product and Label columns are needed to export into myProjects.

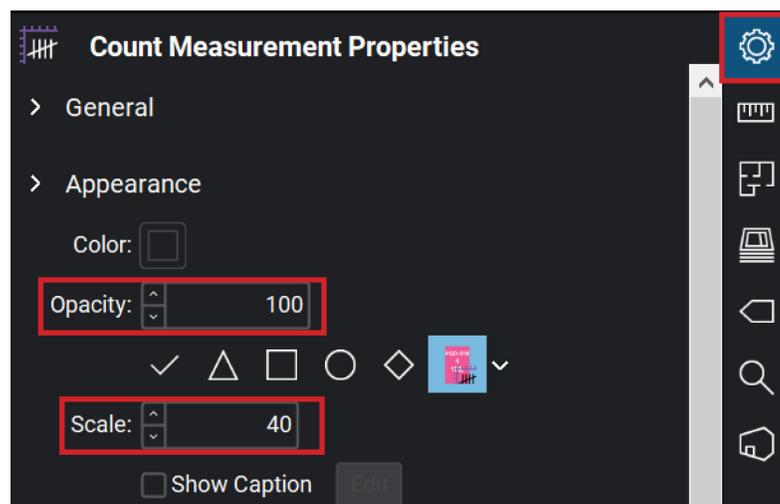
Subject: Defines the model number of the selected product or symbol on the PDF drawing. The Subject appears in the markups list under Product.

Label: Defines the full product name selected and appears on the Markups list as Label.



Appearance

1. To change the appearance, click on the desired product or symbol.
2. Click on the **Properties** icon, , on the right side of the screen.
3. Under appearance:
 - a. **Opacity:** Sets the opacity of the product or symbol – invisible or opaque (example: stamping a faceplate over a dimmer).
 - b. **Scale:** Sets the size of the product or symbol.

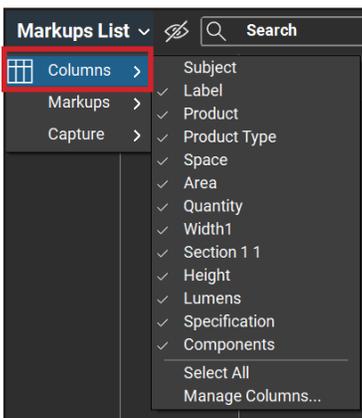


Export to .CSV File

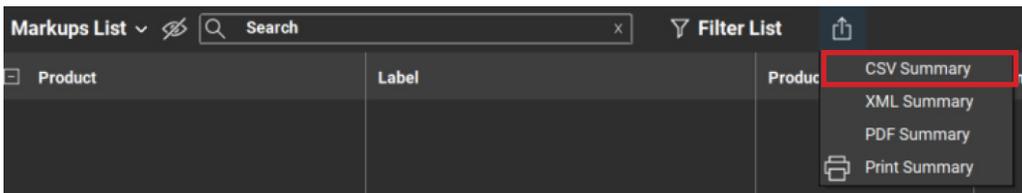
As you place Lutron products or symbols onto a PDF drawing, it begins to create a bill of materials within the Markups List, which can then be exported as a .CSV file.

Below is a list of step-by-step instructions on how to successfully export a bill of materials into a .CSV file.

1. Click the drop down under **Markups List** and click **Columns** – make sure the following columns are selected to ensure a successful import into myProjects.
 - Product
 - Product Type
 - Quantity
 - Width 1
 - Height
 - Area
 - Section 11 (for Lightbar Slim projects)
 - Lumens (for Lightbar Slim projects)
 - Components (for HomeWorks Sunnata keypads)



2. Once the correct columns have been selected, navigate to the **Summary** tab on the **Markups List**, and select **CSV Summary**.



Import to myProjects

With some slight modifications, the .CSV file from Bluebeam can then be imported into myProjects where further edits, additional devices, and a bill of material can be made.

Below is a list of step-by-step instructions on how to successfully import to myProjects.

1. An Excel document will populate the following information.

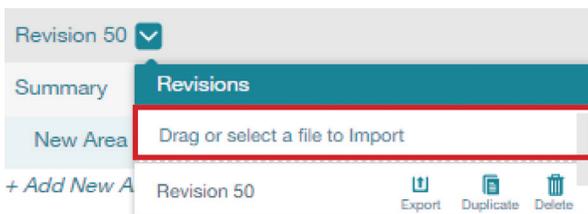
A	B	C	D	E	F	G	H	I
Label	Product	Product Type	Space	Area	Quantity	Width1	Height	Specification
RadioRA 3 Processor	RR-PROC3-KIT	System Components			1	1	108	https://webapi
RadioRA Auxillary Repeater	RR-AUX-REP-WH	SystemComponents			1	1	108	http://www.lut
Sivoia QS Wireless Roller 64	Sivoia QS Wireless; Roller 64	Roller				108	108	http://www.lut
Sivoia QS Wireless Roller 64	Sivoia QS Wireless; Roller 64	Roller				120	108	http://www.lut
Sunnata	RRST-PRO-N-WH	Sunnata			1	1	108	
Sunnata	RRST-PRO-N-WH	Sunnata			1	1	108	
Sunnata RF Keypad	RRST-W4B-WH	Sunnata Keypad			1	1	108	https://webapi
Sunnata RF Keypad	RRST-W3RL-WH	Sunnata Keypad			1	1	108	https://webapi
Sunnata RF Keypad	RRST-W2B-WH	Sunnata Keypad			1	1	108	https://webapi
Sunnata RF Switch	RRST-8ANS-WH	Sunnata			1	1	108	https://webapi
Sunnata RF Switch	RRST-8ANS-WH	Sunnata			1	1	108	https://webapi

2. Save the .CSV file. Then go to **myLutron.com** to access **myProjects**.
3. In **myProjects**, in the top right corner, click **Add Project**.

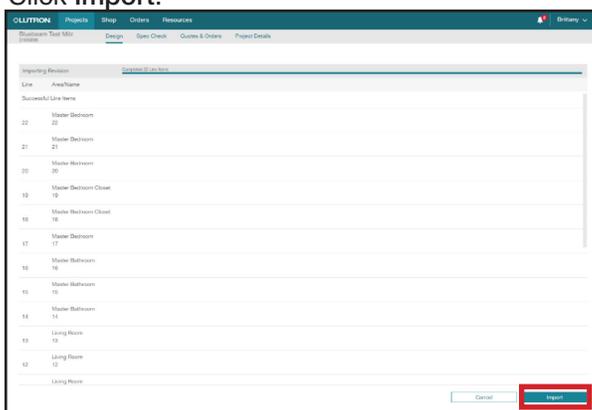


0 of 0 Projects

4. Once a new project has been created, on the right-hand side of **myProjects**, click the drop down under **Revisions**.
5. In the **Revisions** dialog box, drag or select the .CSV file to import.



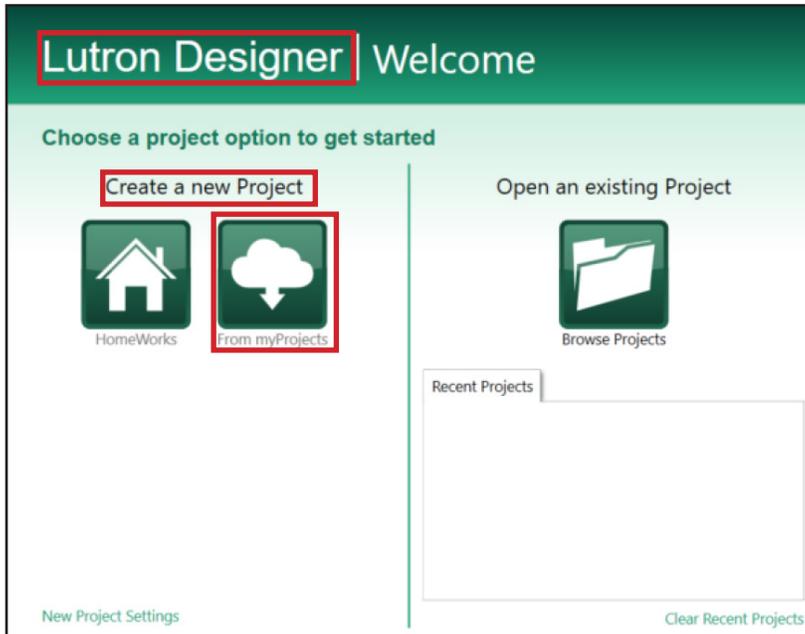
6. When the .CSV file is successfully imported, the items will appear under the **Successful Line Items**.
7. Click **Import**.



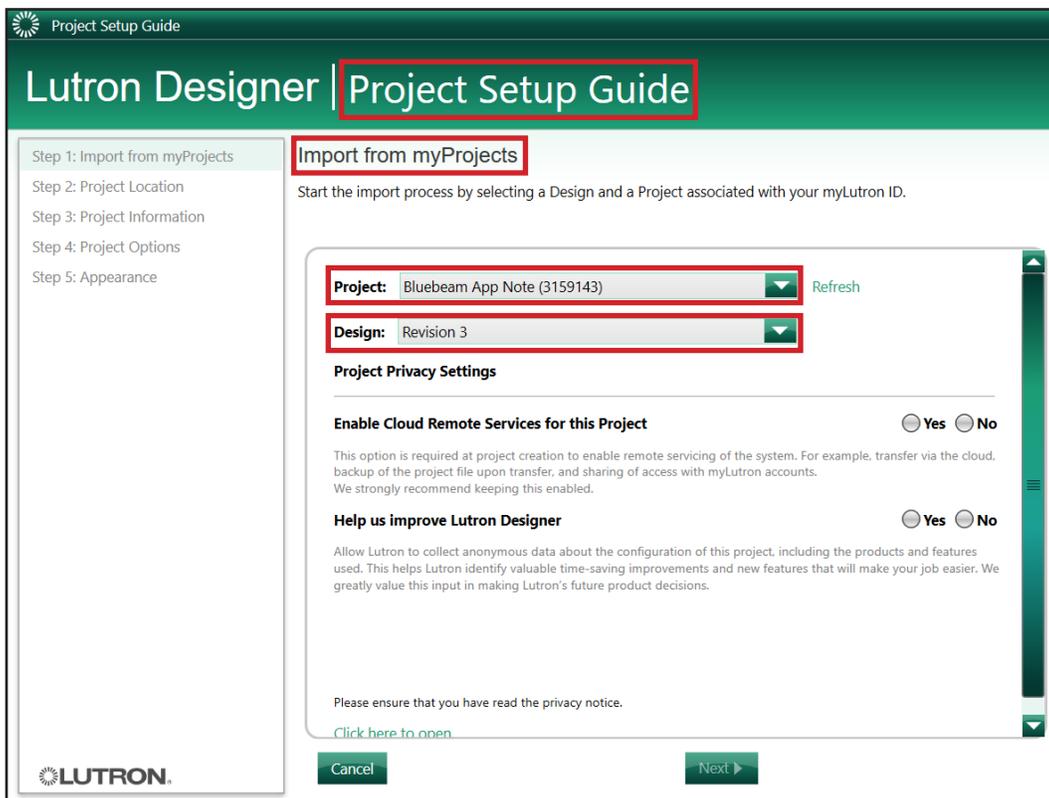
Lutron Designer

Below is a list of step-by-step instructions on how to export from myProjects to Lutron Designer.

1. Open Lutron Designer.
2. Under Create a new Project, click From myProjects.

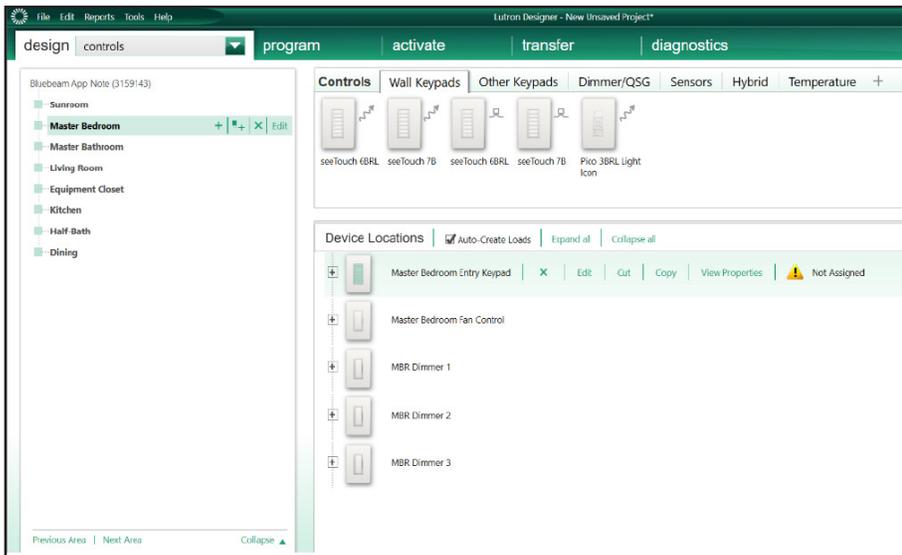


3. In Project Setup Guide – Import from myProjects, under Project, click the drop down and import the designated project.
4. Once the Project is selected, select the Design Revision.
5. Follow the remaining steps on the left-hand side and click Finish.



Lutron Designer (continued)

6. A project has now been successfully imported into the Lutron Designer software.



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