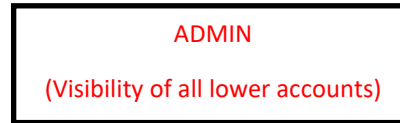
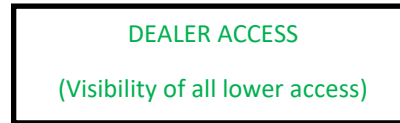


FLOW CHART

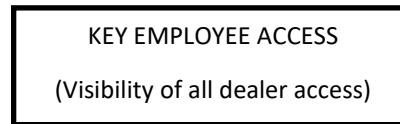
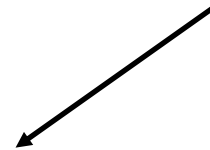
Only we have access to this and have visibility of all activity for all dealers.



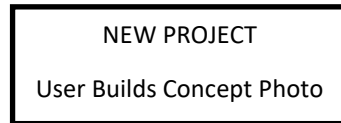
Dealership owners only have access to this and have visibility of only the activity within their account and below.



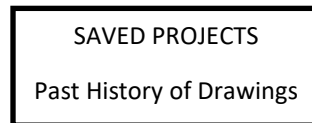
Dealers owners grant individual access to Key Employees below and manage their accounts.



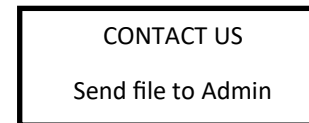
MENU ITEMS



- User can create a new concept drawing
- User is able to download the image for their future usage.
- User is able to change the color pattern to a few pre-set patterns.



- Past history of projects to reference or resend to a customer.
- Edit past project files.



- Ability for a user to send the file to either the dealer owner above them OR to the corporate admin for help and guidance on improving the look of the concept.
- Dealer Owner should have another option to invite another user to access and create projects. No more than 5 users on any account.



Photo Upload

Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

Light Size Scale:

Light Spacing Scale:

6" 9" 12"

Perspective Warp:

0°

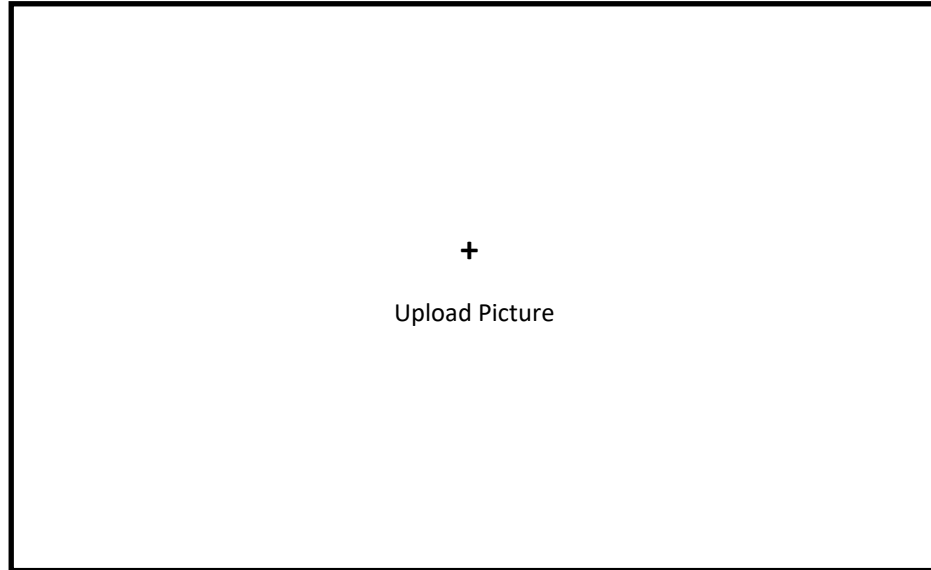
Wall Splash Distance:



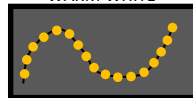
Duplicate Line

View Daytime with Channel

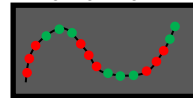
Channel Size Scale:



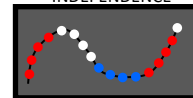
WARM WHITE



CHRISTMAS



INDEPENDENCE



HALLOWEEN

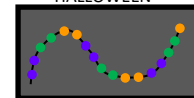




Photo Upload

Project Name



Image Darkness:



Channel Color:



Drawing:



FO / FD:



Length:

Light Size Scale:



Light Spacing Scale:



Perspective Warp:



0°

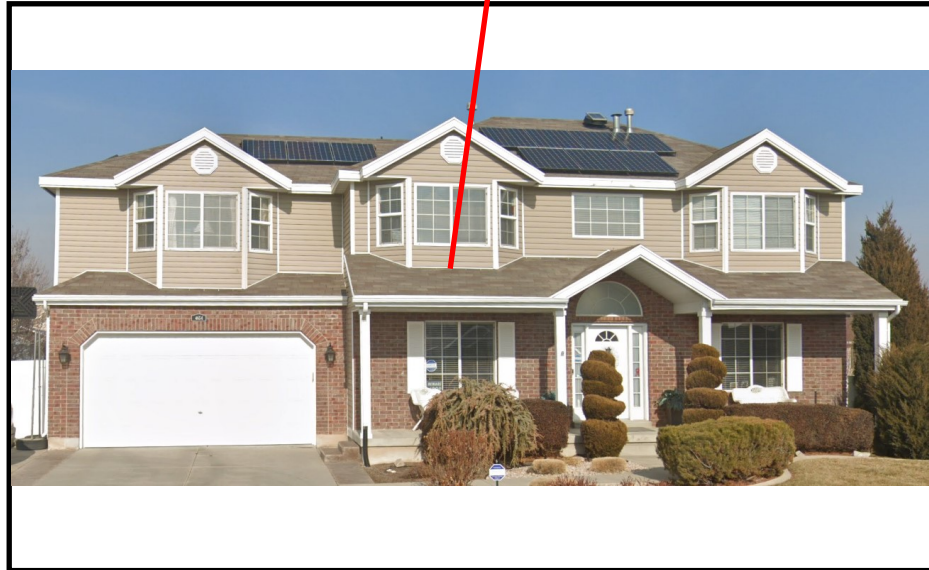
Wall Splash Distance:



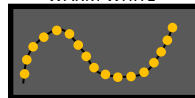
Duplicate Line

View Daytime with Channel

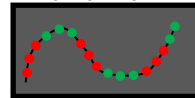
Channel Size Scale:



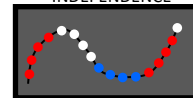
WARM WHITE



CHRISTMAS



INDEPENDENCE



HALLOWEEN

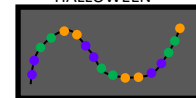




Photo Upload

Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

Light Size Scale:

Light Spacing Scale:

6" 9" 12"

Perspective Warp:

0°

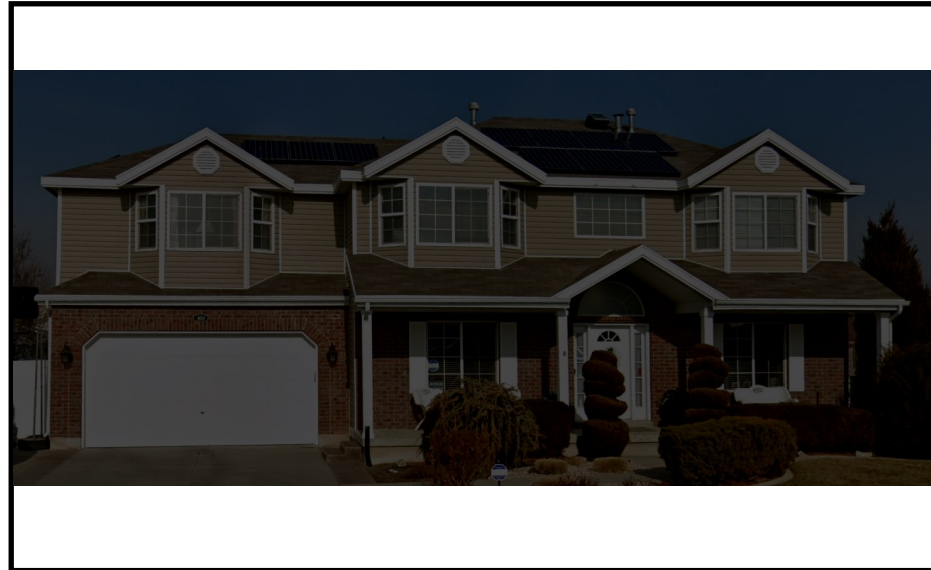
Wall Splash Distance:



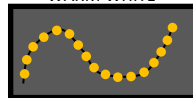
Duplicate Line

View Daytime with Channel

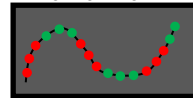
Channel Size Scale:



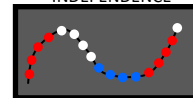
WARM WHITE



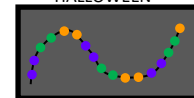
CHRISTMAS



INDEPENDENCE



HALLOWEEN



Using the slider to create a night time look to the image.

Name the project to save the settings for this project file.



Photo Upload

Choose a color that will match the house for the channel. This will only show up when seeing the "Daytime with Channel" feature.

Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

Light Size Scale:

Light Spacing Scale:

Perspective Warp:

0°

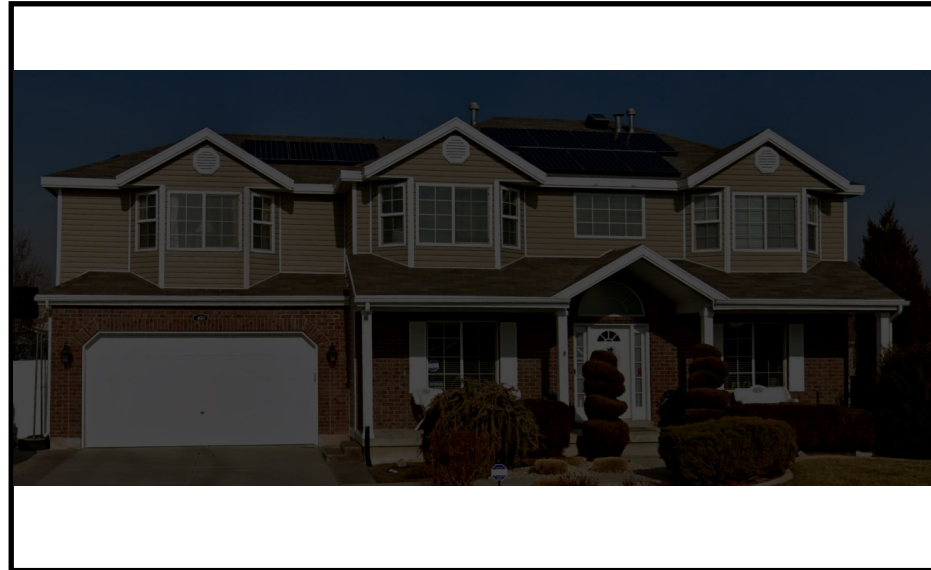
Wall Splash Distance:



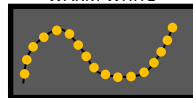
Duplicate Line

View Daytime with Channel

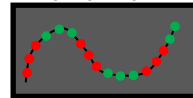
Channel Size Scale:



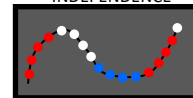
WARM WHITE



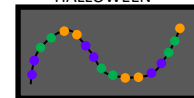
CHRISTMAS



INDEPENDENCE



HALLOWEEN





Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

Light Size Scale:

Light Spacing Scale:

6" 9" 12"

Perspective Warp:

0°

Wall Splash Distance:



Duplicate Line

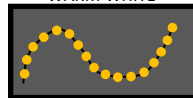
View Daytime with Channel

Channel Size Scale:

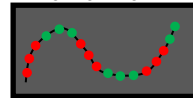
Photo Upload



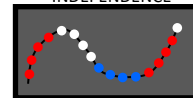
WARM WHITE



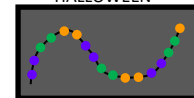
CHRISTMAS



INDEPENDENCE



HALLOWEEN



User **DRAW**s a line to put the lights and channel on the building for a single run.

Anytime a user is editing an item within the square. It adjusts the parameters for that individual line.



Photo Upload

Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

32'

Light Size Scale:

Light Spacing Scale:

Perspective Warp:

0°

Wall Splash Distance:



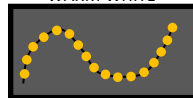
Duplicate Line

View Daytime with Channel

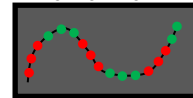
Channel Size Scale:



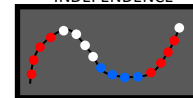
WARM WHITE



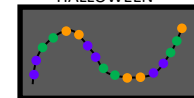
CHRISTMAS



INDEPENDENCE



HALLOWEEN



User ENTERS a measurement of footage for that line that was just drawn. That footage will then calculate the "Light Spacing Scale" to separate out the individual lights in the spacing distance that was entered.



Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

Light Size Scale:

Light Spacing Scale:

Perspective Warp:

0°

Wall Splash Distance:

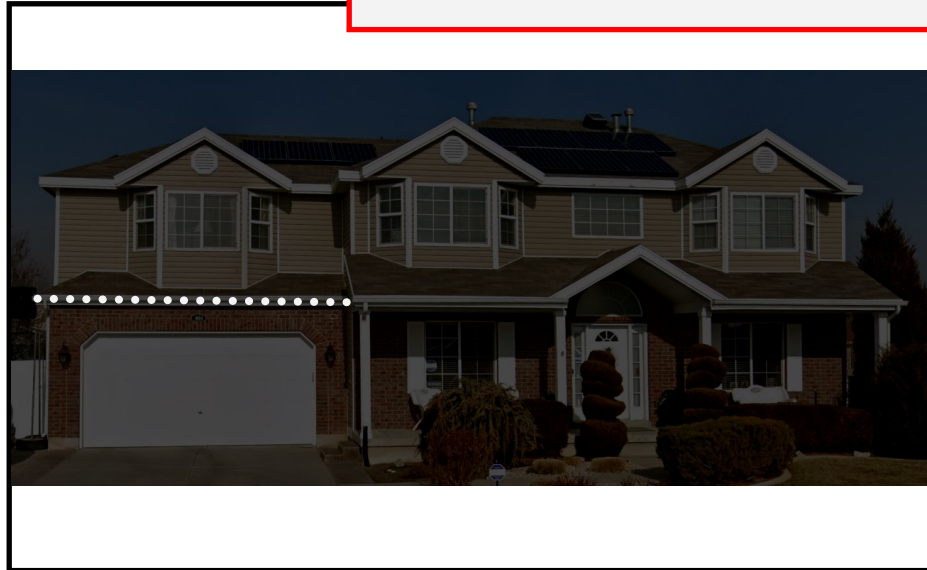


Duplicate Line

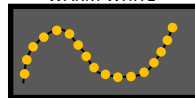
View Daytime with Channel

Channel Size Scale:

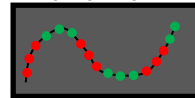
Photo Upload



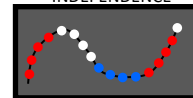
WARM WHITE



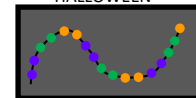
CHRISTMAS



INDEPENDENCE



HALLOWEEN



This toggle will determine if the light is **FACED OUTWARD** or **FACED DOWNWARD**.

If faced outward, the light will cast no light on the image below the light but will be slightly brighter.

If faced downward, the light will create a highlighted zone below the lights that will eliminate the darkness on the image to show the color on the wall splash.



Photo Upload

Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

32'

Light Size Scale:

Light Spacing Scale:

6" 9" 12"

Perspective Warp:

0°

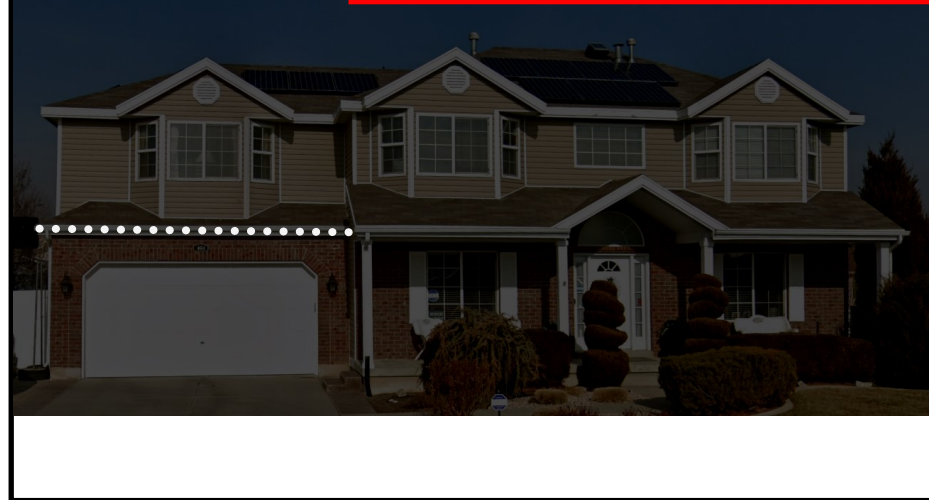
Wall Splash Distance:



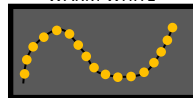
Duplicate Line

View Daytime with Channel

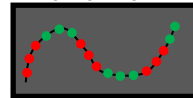
Channel Size Scale:



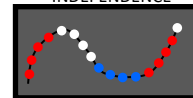
WARM WHITE



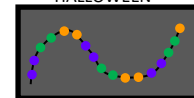
CHRISTMAS



INDEPENDENCE



HALLOWEEN



This Slider Bar will determine the size of the light source

This will the user to change it if the light is FACED OUTWARD or FACED DOWNWARD.



Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

32'

Light Size Scale:

Light Spacing Scale:

Perspective Warp:

0°

Wall Splash Distance:



Duplicate Line

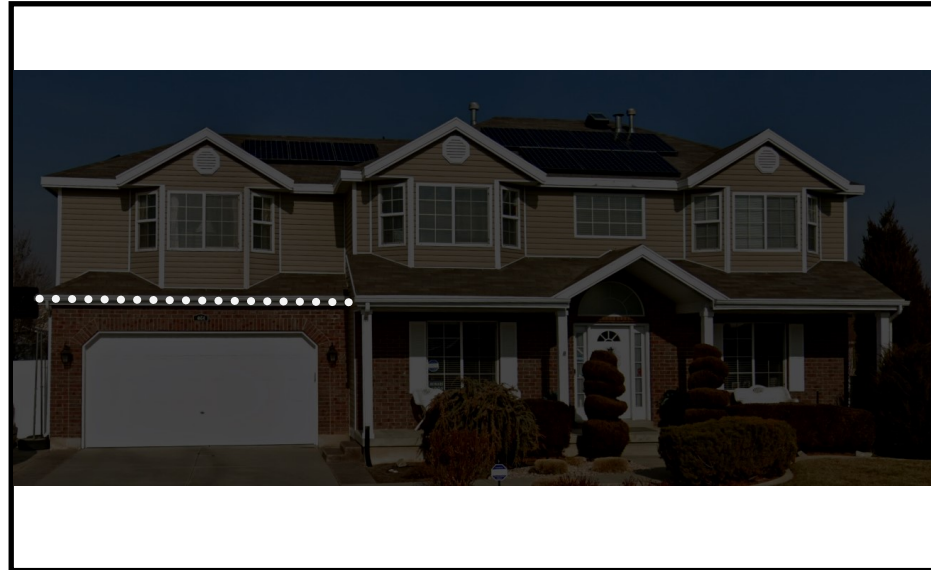
View Daytime with Channel

Channel Size Scale:

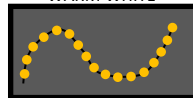
Photo Upload

This Slider Bar will determine the distance between lights. This will automatically based on the LENGTH that was entered above. It should be default to 9" spacing.

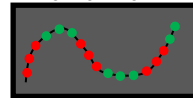
In this example, if the length is 32' long. And it was chosen to be 9" spaced lights. That would mean that there will be 42 lights shown on the image for that line.



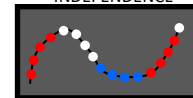
WARM WHITE



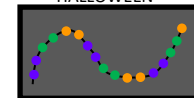
CHRISTMAS



INDEPENDENCE



HALLOWEEN





Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

Light Size Scale:

Light Spacing Scale:

Perspective Warp:

0°

Wall Splash Distance:



Duplicate Line

View Daytime with Channel

Channel Size Scale:

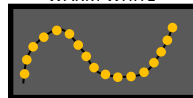
Photo Upload

This Slider Bar will determine the amount of wall splash on the building from the light. If the toggle above is FO then no splash will be shown and adjustable.

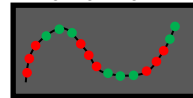
In this example, if the length is 32' long. And it was chosen to be 9" spaced lights. That would mean that there will be 42 lights shown on the image for that line.



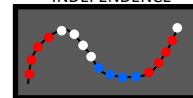
WARM WHITE



CHRISTMAS



INDEPENDENCE



HALLOWEEN

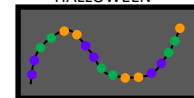




Photo Upload

Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

32'

Light Size Scale:

Light Spacing Scale:

6" 9" 12"

Perspective Warp:

0°

Wall Splash Distance:



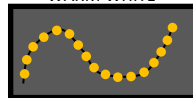
Duplicate Line

View Daytime with Channel

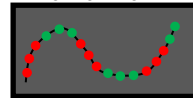
Channel Size Scale:



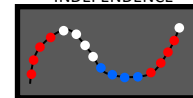
WARM WHITE



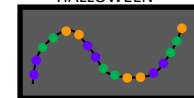
CHRISTMAS



INDEPENDENCE



HALLOWEEN



This Slider Bar will determine a perspective warp.

So if the image has an angle image where the scale of the lights need to decrease in size and become closer together as the distance increases from the camera angle. This should be adjustable for either left or right directions.

Sample image shown below.



Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

32'

Light Size Scale:

Light Spacing Scale:

6"

9"

12"

Perspective Warp:

0°

Wall Splash Distance:



Duplicate Line

View Daytime with Channel

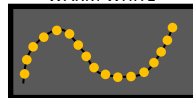
Channel Size Scale:

Photo Upload

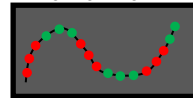
This allows the user to duplicate an image and it will copy all previous settings with the box. If the user changes any of the parameters, it will adjust the properties just on the line that is being manipulated.



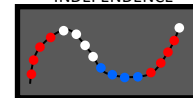
WARM WHITE



CHRISTMAS



INDEPENDENCE



HALLOWEEN

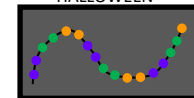




Photo Upload

Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

32'

Light Size Scale:

Light Spacing Scale:

6" 9" 12"

Perspective Warp:

0°

Wall Splash Distance:



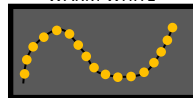
Duplicate Line

View Daytime with Channel

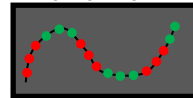
Channel Size Scale:



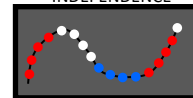
WARM WHITE



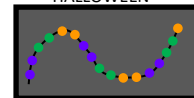
CHRISTMAS



INDEPENDENCE



HALLOWEEN



This allows the user to change the color of the lights on that line to a select color to highlight possible zones or different areas that are different than others. So each line should be able to change colors for a view.

Once the design is complete, the user can choose from a few display options to present what the job would look like with different colors of lights in the pattern.

Ensure the wall splash of light on the wall matches the color of the light on the house immediately in front of the wall splash area. Once the user clicks back on the EDIT icon, it will return to the original edit view where lines are adjustable and possibly drawn in colors shown on page 14.

Image Darkness:



Channel Color:



Drawing:



FO / FD:



Length:

32'

Light Size Scale:



Light Spacing Scale:



Perspective Warp:



0°

Wall Splash Distance:



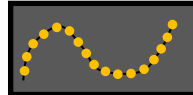
Duplicate Line

View Daytime with Channel

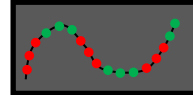
Channel Size Scale:



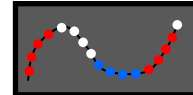
WARM WHITE



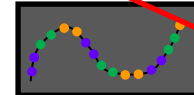
CHRISTMAS



INDEPENDENCE



HALLOWEEN





Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

32'

Light Size Scale:

Light Spacing Scale:

Perspective Warp:

0°

Wall Splash Distance:



Duplicate Line

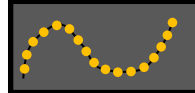
View Daytime with Channel

Channel Size Scale:

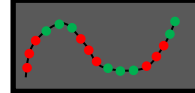
Photo



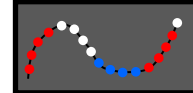
WARM WHITE



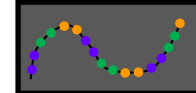
CHRISTMAS



INDEPENDENCE



HALLOWEEN



Once the design is complete, the user can choose to see the project in the day time with the channel installed on the structure. The color of the channel on the image will match the color chosen on the "Channel Color" box.



Project Name



Image Darkness:

Channel Color:



Drawing:



FO / FD:



Length:

Light Size Scale:

Light Spacing Scale:

Perspective Warp:

0°

Wall Splash Distance:



Duplicate Line

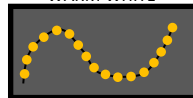
View Daytime with Channel

Channel Size Scale:

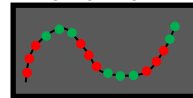
Photo



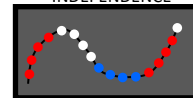
WARM WHITE



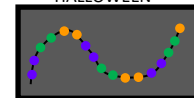
CHRISTMAS



INDEPENDENCE



HALLOWEEN



User has ability to download the image as a JPG or a PNG to use in a presentation to the house owner.

Or the ability to save the image in the software to be recalled in a future need OR have any admin that has greater access rights to be able to open and edit.

User should have the ability to drag the start and stop points of the line on any line after it was drawn on the image.

The drawing ability is not easy and not intuitive.

All of these items should be adjustable for each line individually. Not the entire file.

21

Select a Predefined Color:

DRAW LINE

DUPLICATE LINE

Adjust Brightness:

40%

Perspective Warp (Left/Right):

-8%

Wall Splash Distance:

11%

Light Spacing Scale:

17 inches

Light Size Scale:


7


Light Direction:


CENTER


DOWN

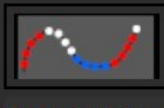
CLEAR




Edit

Warm White

Christmas

Independence

Halloween

Channel Color:

Channel Size Scale:

50

VIEW DAYTIME WITH CHANNEL

Add a DELETE LINE option to touch on a single line that needs to be deleted.

Add a MULTIPLE POINT LINE to draw a single line with multiple turns similar to below. While all the settings of the line will match.



UPLOAD IMAGE

Enter Length (ft):
21

Select a Predefined Color:

DRAW LINE

DUPLICATE LINE

Adjust Brightness:

40%

Perspective Warp (Left/Right):

-8%

Wall Splash Distance:

11%

Light Spacing Scale:


17 inches


Light Size Scale:


7

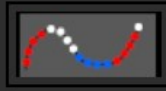
Light Direction:

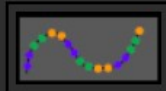
CENTERDOWNCLEAR

Edit

Warm White

Christmas

Independence

Halloween

Channel Color:

Channel Size Scale:

50

VIEW DAYTIME WITH CHANNEL



Perspective Warp should not only move the point left and right. It should adjust the spacing of the lights that would be further away.

If a user drags the dial to the left then the distance of the furthest left lights will get closer together incrementally. If the user drags the slider bar to the right, the lights get closer together incrementally starting on the far right.

This is to give the illusion of forced perspective that lights farther away seem to be the same distance but they appear closer together.

UPLOAD IMAGE

Enter Length (ft):
21

Select a Predefined Color:

DRAW LINE

DUPLICATE LINE

Adjust Brightness:
40%

Perspective Warp (Left/Right):
-8%

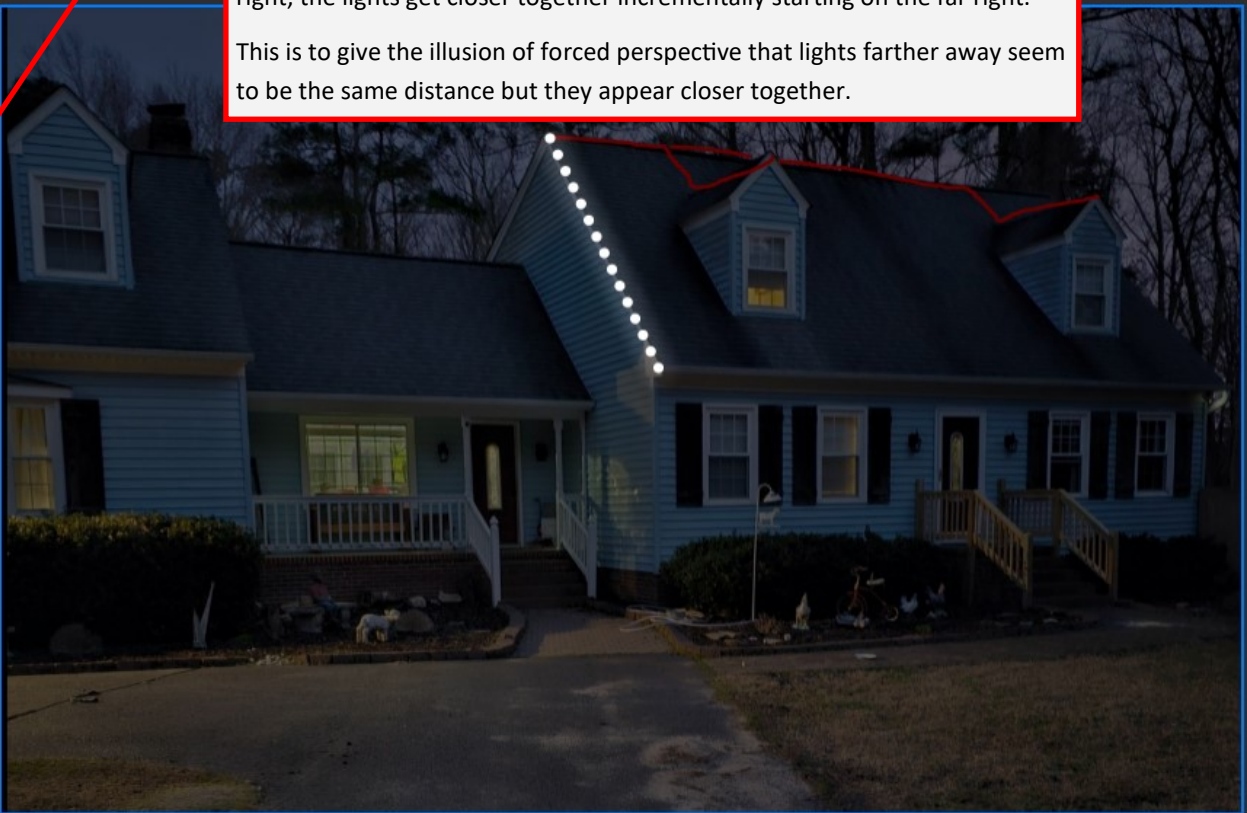
Wall Splash Distance:
11%

Light Spacing Scale:
17 inches

Light Size Scale:
7

Light Direction:

CENTERDOWNCLEAR



Edit

Warm White

Christmas

Independence

Halloween

Channel Color:

Channel Size Scale:
50

VIEW DAYTIME WITH CHANNEL

Wall splash and light direction should be working together.

If the user chooses Center (Let's rename it FACED OUT). The lights will shine brighter as this currently works. The shine of the lights will illuminate the surrounding image items and remove the adjusted brightness of the image with the color that is chosen.

If the user chooses DOWN then only the glow of the lights will illuminate down on the image. Pictures attached on the next page showing the wall splash examples.

UPLOAD IMAGE

Enter Length (ft):
21

Select a Predefined Color:

DRAW LINE

DUPLICATE LINE

Adjust Brightness:
40%

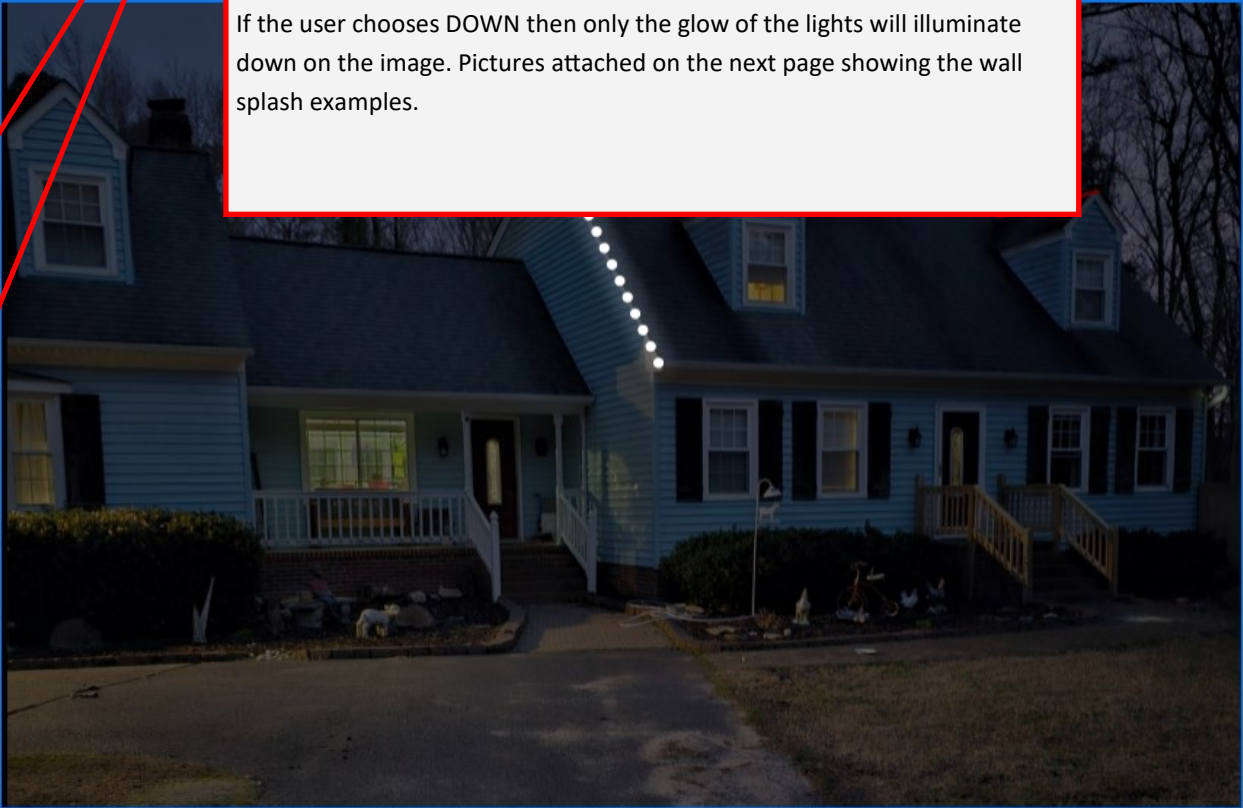
Perspective Warp (Left/Right):
-8%

Wall Splash Distance:
11%

Light Spacing Scale:
17 inches

Light Size Scale:
7

Light Direction:
CENTERDOWNCLEAR



Edit

Warm White

Christmas

Independence

Halloween

Channel Color:

Channel Size Scale:
50

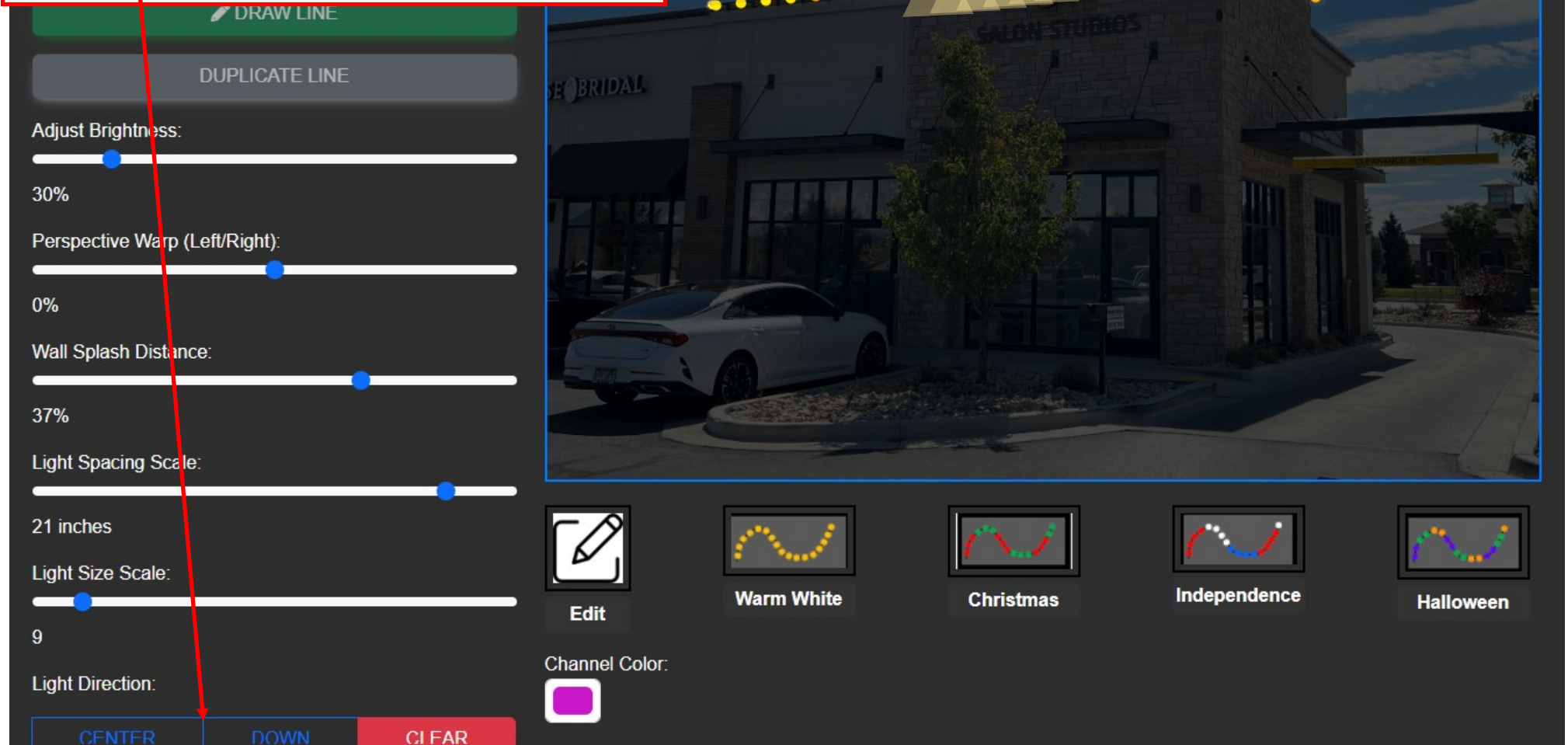
VIEW DAYTIME WITH CHANNEL

Notice the line where the lights are installed and the glow / Wall splash is going down the wall towards the ground. It is not going up since the lights are faced towards the ground.



The DOWN wall splash should be emanating from the light source and not just a full glow in a rectangular pattern. A potential shape of the light could be more of a triangle shape. The pattern should be parallel with the line that was drawn on the building. The current glow is good but because it is very rectangular in shape, it does not look natural.

Make sure the Light Direction box is highlighted well of the user has chosen either FACED OUT or DOWN



Will there be a way to determine which “Key Employee” is associated with which Dealer? I would like something that connects the Key Employee to the Dealer contact.

So an admin (super admin) should have visibility and be able to delete accounts as necessary. Super Admin can create a Dealer account. A dealer account can set up Key Employee within their dealer account.

Add another column and entry for the dealership name when creating the dealer. This way the key employee of the dealership could be connected to the Dealer record.

te User Assigned Project

Username

Email address

Password

Confirm Password

Select User Type

Select Delar for Key Employee

REGISTER

MDB Projects Users List Create User Assigned Project

Username	Email	Type	Dealer	Projects	Edit	Delete
admin	admin@gmail.com	admin				
azhar	azhar@gmail.com	dealer	Puyallup			
ibrahim	ibrahim.murad009@gmail.com	dealer	Dallas			
key_ib	ib@gmail.com	key_employee	Dallas			
d1	d1@gmail.com	key_employee	Dallas			
d2	d2@gmail.com	key_employee	Dallas			
d3	d3@gmail.com	key_employee	Puyallup			
d4	d4@gmail.com	key_employee	Puyallup			
d5	d5@gmail.com	key_employee				
test	test12@gmail.com	key_employee				
test2	test123@gmail.com	key_employee				
test3	test1234@gmail.com	key_employee				

Can you add a list of the lines that have been drawn with their footage on it?
This could be a way to click on a past line to edit it after initial creation.

If a user touches on the line, it highlights and allows the line to be edited and moved and changed.

Image Line Draw with Surrounding Brightness

UPLOAD IMAGE

Enter Length (ft):

10

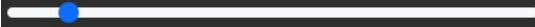
Select a Predefined Color:



DRAW LINE

DUPLICATE LINE

Adjust Brightness:



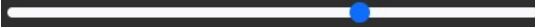
20%

Perspective Warp (Left/Right):



0%

Wall Splash Distance:



34%

Light Spacing Scale:



14 inches

Light Size Scale:



List of Each Line:

Line 1—10 ft

Line 2—14 ft



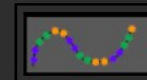
Warm White



Christmas



Independence



Halloween