

## Introduction

Within Designer, there are a number of presets that are available to create lighting looks for your installation, but should these not fit your design, it is possible to create custom presets.

Custom Presets use a Lua script to define an effect that can be played back on a Matrix. Custom Presets are managed using the Mapping window.

It is possible to write your own with an understanding of how the scripting works, details can be found in the Designer Help > Reference > Scripting > Custom Preset Programming Guide.

It is also possible to import pre-written custom presets such as this one.

## Gradient Bars

The Gradient bars preset can be used to create bands of colour that move up and down the pixel matrix.

## Adding the Custom Preset to your Project

To import the Custom preset to your project, you will need to ensure that Custom Presets are enabled in your project:

- Go to the Project mode within Designer
- Choose the Project Features tab near the top
- Locate the Custom Preset Editor option and set it to enabled.

Now you can add the custom preset to the project:

- Go to the Mapping Mode
- Locate the Custom Presets tab on the right hand side
- Select New

At this point you have three options:

- Import the \*.lua file
- Copy the contents of the \*.lua file into the editor
- Create a custom preset from scratch

Once you have added the script to create your custom preset, you can click save in the bottom right and the preset will be added to the project.



## Using the Custom Preset

To use the Custom Preset, you will need a Pixel Matrix within the project.

These can be easily created from the Layout by selecting the required fixtures and choosing the New Pixel Matrix button from the top of the fixture browser (on the left hand side).

Now that you have a Pixel Matrix, go to the Timeline Mode.

In the top-right corner there should be a tab called Custom. This will contain any Custom Presets that exist in your project.

You can now drag and drop the Custom Preset onto any Pixel Matrices on the Timeline.

## Gradient Bars Properties

Alongside the standard preset properties, this Custom Preset has the following property:

- Gradient - the gradient to apply to the bars (with default settings, the left most colour will be at the bottom of the effect)
- Background - the single static colour for the background of the effect
- Bands - the number of bars to split the effect across
- Reverse - selecting this will reverse the background and gradient bars
- Rotate - will rotate the effect through 90°
- Seed - used by the pseudo-random number generate to determine the random number to form the effect. Using the same seed for multiple instances of the preset will produce the same effect.