Light Effects

For run and gun, close-up photography, when effects lighting is needed quickly.
Can also be used on an HDTV television with AppleTV and AirPlay to light larger spaces.

Create Light Effects via the + button top right or choose a template for common animations. Templates will automatically be moved to User Presets for editing colors and controls. Slide left to delete. Edit list button top right.

Hit the **Play** button to **hide** the controls and see the selected animation. Touch the bottom X button to **stop**. Touch the bottom right button to **unhide** the controls while animation plays. After adjusting the controls, toggle control off.

Notes: Turn device's brightness to its highest setting.

Light Effects requires at least 2 colors, but there is no limit to the number of colors that can be added to a Light Effect animation.

Animation
For each color there are 2 values that can be set with sliders, **Duration** and **Transition**.

Duration: Is the amount of time the color is shown at full value.

Transition: Is the time it takes to change from the current color to the color below it.

Randomize Switch:
Colors in the list will be randomly rearranged.

Curves:
Touch an individual color swatch to control how the light-effect color ramps up or down.

Linear changes from one color to the next linearly. No slowing and no speed up.
Ease In starts very slowly and hits maximum change rate by the end, i.e. a light warming up.

Ease Out starts very fast and then slows down. Think a flashbulb that goes off. It quickly drops in brightness at start and then slowly gets darker and darker.
Ease In-Ease Out slowly ramps to maximum change, and then ramps down again. Good for most lights.

Interaction:
Press the animation play button on the Toolbar. Next tap the control button on the lower right while the animation is playing.
This will display the master controls while the animation runs.
Adjust the controls to get the desired effect from the chosen colors.

Speed Slider: Speed up or slow down the rate of animation.

Speed Variation: Adjust this slider to avoid repeating the same exact timing cycle for all colors.

NOTES: Flicker issues. The iPhone/iPad/iPod Touch is obviously not synced to the camera. With a fast Light Effect change, it is possible the camera might not catch it all (just like gun fire flashes).

If the camera uses a CMOS chip (rolling shutter), then it's also possible the top of the frame would be one color and the bottom another, if there is no **Dissolve** in the animation. This is a known issue even with hardware Light Effect generators. Adding in a dissolve, even a fairly short one (1/24 second or longer), would reduce this issue.

WARNING: Light Effects may potentially trigger seizures for people with photosensitive epilepsy.

URL scheme: pcampro://LightEffects



Notes for all tools:

Favorite Category and Widgets
Add tools to the Favorite List by swiping left to right on a tool in the list within pCAM app.

Your favorite tools will appear in the Favorite Category within pCAM, and also on Widgets on your device's Home Screen.

1) Perform a long press on the pCAM icon and your Favorite Tool List pops up.

2) Choose the small icon to display 4 of your Favorite tools. Choose large icon to display 8 of your Favorite tools.

3) On your device's Today View (swipe right on Home screen), and add a pCAM Widget to contain either 4 or 8 of your Favorite tools.

Tips for using pCAM Pro on Silicon Macs:

To Download:
Must be a Silicon Mac.
Go to the App Store on your Mac. Do a search entering "pCAM Pro," then click on "iPhone & iPad Apps." Download into your Mac's Applications folder.

To Best simulate iPad:
1) Change pCAM Pro/Preferences on the Silicon Mac's top menubar.
General - Change window size to either Smaller or Larger (default).
Touch Alternatives - Turn ON.
- Enables Muti-Touch for swiping and tapping.
- Drag enables your trackpad to pinch within Field of View Preview.

2) Rotate the app from Portrait to Landscape via the Mac's menubar "View." Can also be rotated by single clicking on a corner of the app and dragging to shrink or enlarge.

3) When entering a unit value in one of pCAM's tools (i.e. Focal Length or Distance) an overlay will appear on the right side of pCAM Pro's screen for Units, inches and feet, +/-, jumping between fields, etc.