



**Flanders  
Scientific  
Inc.**

**Quick Start Guide:  
Using LightSpace with Resolve12 as Test Pattern Generator**

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Flanders Scientific, Inc.  
6215 Shiloh Crossing  
Suite G  
Alpharetta, GA 30005  
Phone: +1.678.835.4934  
Fax: +1.678.804.1882  
E-Mail: [Support@FlandersScientific.com](mailto:Support@FlandersScientific.com)  
[www.FlandersScientific.com](http://www.FlandersScientific.com)

# Using LightSpace CMS with Resolve as TPG

Please review this entire guide before calibrating your monitor. The “Tips and Tricks” appendix at the end of this document contains useful information for optimizing your calibration.

1. Before starting we suggest setting the monitor to default by selecting Menu -> System -> Load Profile -> Default, when prompted confirm by selecting Yes.

2. Turn the current 3D LUT calibration off, from the monitor’s Color Management menu select LUT Bypass -> 3D LUT.

3. Start DaVinci Resolve and create a new timeline. Verify that the monitor is receiving a signal from Resolve then click on the Color Tab.

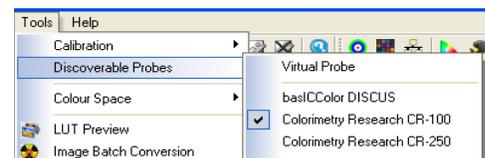


4. Click on the Workspace menu in Resolve, select Monitor Calibration, then select LightSpace. A popup dialog in Resolve will request an IP address, which can be found once you start LightSpace CMS.



5. Start LightSpace CMS and click on the network manager icon. In the Network Manager window click on enable and then take note of the IP address listed.

6. In Resolve enter the IP address from LightSpace CMS into the monitor calibration popup window mentioned in step 4 and click connect. Do not close this IP address dialog window in Resolve as this will terminate your connection.



7. Return to LightSpace and click on the tools menu. Then select Discoverable Probes and click on the probe you will use for your calibration.

8. Next click on the Display Characterization icon in LightSpace. Then select 17x17x17 profile as your profile size. If you are short on time we suggest you use LightSpace’s Quick Profile capability instead of a smaller display characterization. See the appendix for more details.



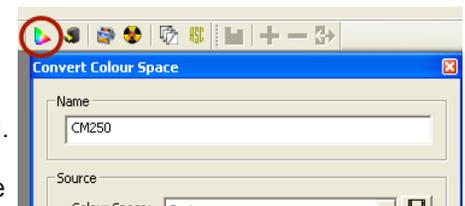
9. In the Display Characterization window select Options, then set optimal probe settings for your measuring device (consult probe manufacturer or contact Support@FlandersScientific.com for help with these settings) and extra delay time (we suggest 0.5). Then click OK.

10. Next place your probe at the center of the monitor and press the Measure button in the Display Characterization window. A dialog window will ask you to give your profile a name, select something easily identifiable and press OK to begin the profiling process.

11. Once your profile completes select the Convert Colour Space icon.

12. In the Convert Colour Space window enter your monitor model in the NAME field.

13. From the source dialog select your target colour space from the colour space dropdown menu (e.g. Rec709, BT.1886, etc.). From the destination dialog select your calibration profile name entered in step 10. Then click create new to generate your calibration LUT.



14. Click on File -> Export and select FlandersScientific17.cfe as your export format, then click export. Once your file is saved change the name to user1.cfe, user2.cfe, or user3.cfe.

15. Finally plug the provided monitor update cable between computer and monitor and copy the userX.cfe file to the monitor. Select Update LUT from the monitor’s Color Management Menu, then set Bypass LUT back to NONE, and lastly select your userX position from the color space menu on the monitor to enable your LUT (see full manual for additional details).

## Appendix: Tips and Tricks

### Short on Time?

If you have time and want to generate optimal results a 17x17x17 display characterization is advisable. However, LightSpace's QuickProfiles can generate extremely good calibration results very quickly. If using Quick Profiles we suggest the following selections:

**OLED: Grey Scale Only.** This profile measures 21 points along grey scale as well as R, G, and B primaries. The very linear nature of OLED response lends itself well to this quick calibration method

**LCD: Primary and Secondary.** This profile measures 141 test patches and generates exceptional results on just about all FSI LCD models.