

www.plasmapan.org presents : **X-Rite Chroma 5 Colorimeter**

Now Enabled for Backlight LED Calibration!

Chroma 5's from SpectraCal now come enabled for calibration of the new LED display technologies.



SpectraCal calibrates each Chroma 5 individually in a state-of-the-art calibration lab, against a variety of LED displays, with a reference instrument traceable to a National Institute of Standards and Technology (NIST) source.

ONLY Chroma 5's from SpectraCal have the ability to calibrate the new LED displays accurately!

The Chroma 5 is a quick-reading colorimeter with far more accuracy than other colorimeters. It offers excellent low light level measurement capability, and it is appropriate for use in calibrating any video display technology.

Technical Specifications

Luminance Range

0.05 - 1000 cd/m²

Accuracy

For 1.0 cd/m² ≤ Luminance ≤ 1000 cd/m², Luminance: +/- 3%; White (x and y): +/- 0.002; Color (x and y): +/- 0.004

For 0.05 cd/m² ≤ Luminance < 1.0 cd/m², Luminance: +/- 5%; White (x and y): +/- 0.006; Color (x and y): +/- 0.006 .

Repeatability

For 1.0 cd/m² ≤ Luminance ≤ 1000 cd/m², Luminance: +/- 0.5%; White (x and y): +/- 0.001; Color (x and y): +/- 0.001

For 0.05 cd/m² ≤ Luminance < 1.0 cd/m² Luminance: +/- 2%; White (x and y): +/- 0.002; Color (x and y): +/- 0.002

Measurement Units

Luminance may be displayed as either foot Lamberts (fL) or cd/m² (Nits)

Measurement Speed

350 ms (3 samples per second)

PC Interface

USB

Materials Included

The Chroma 5 kit SpectraCal ships contains:

- The Chroma 5 Colorimeter itself
- The Chroma 5 base plate
- A read head for use with CRTs, and one for use with all other displays.