

Advances in the measurement of polymeric colorimetric sensors using portable instrumentation: Testing the light influence

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Supporting information



Figure S1. White box used for testing studied lights

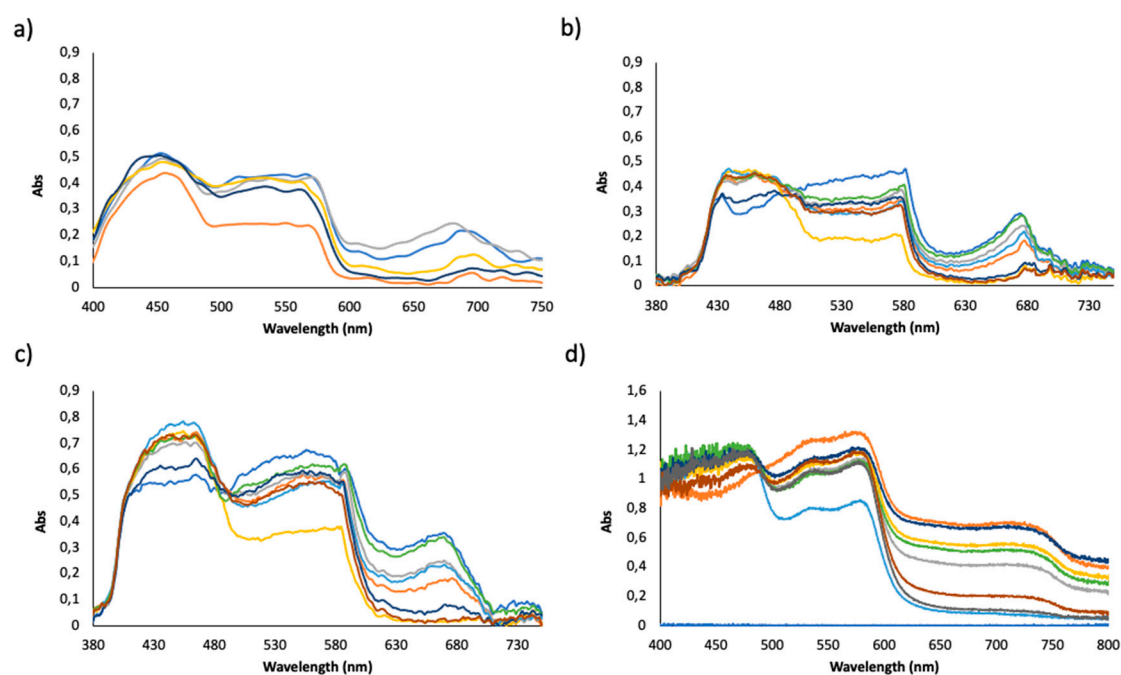


Figure S2. Spectra of the Red color group by using different lights a) Halogen lamp b) LED light c) Daylight and the mini-spectrometer compared to d) Laboratory benchtop spectrophotometer.

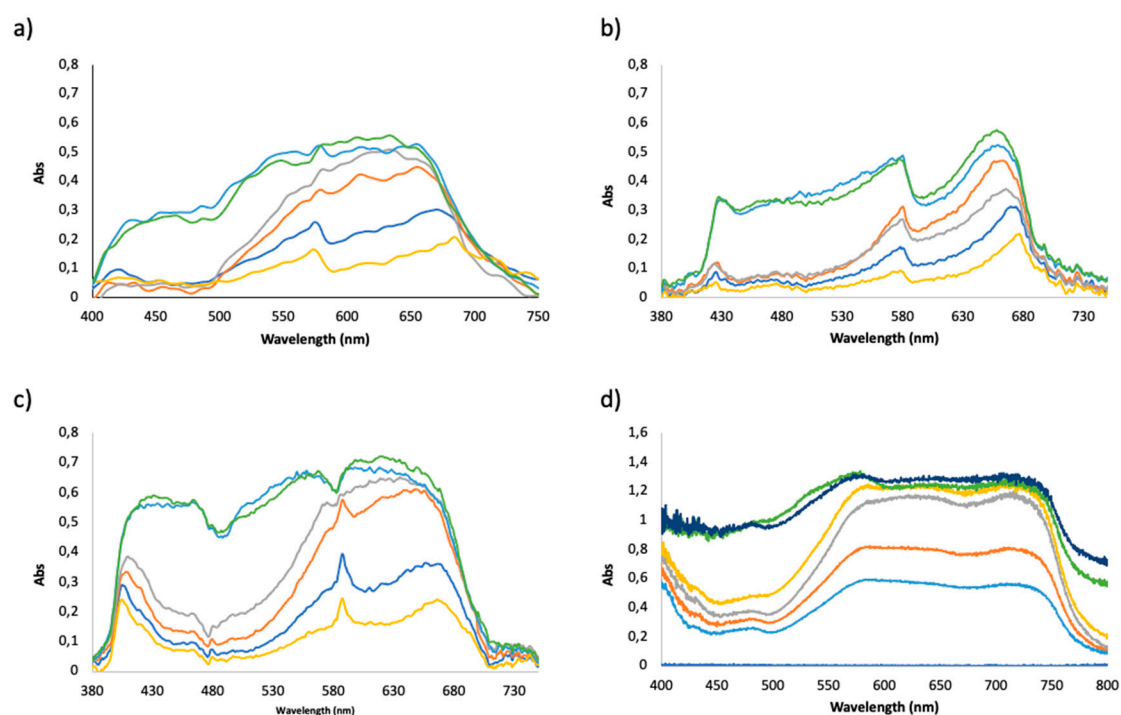
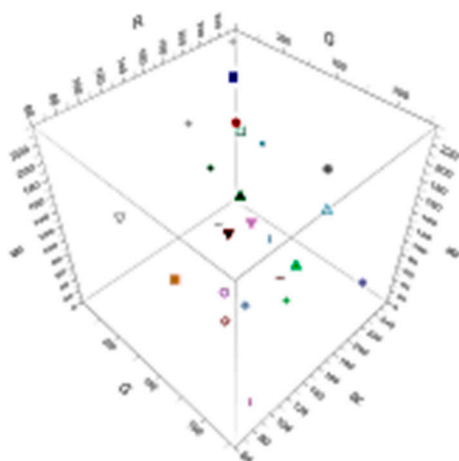


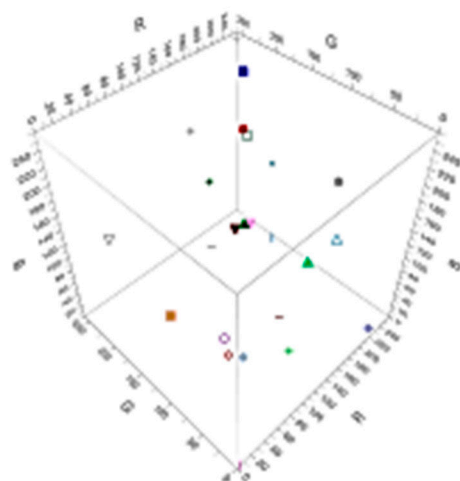
Figure S3. Spectra of the Blue color group by using different lights a) Halogen lamp b) LED light c) Daylight with the mini-spectrometer compared to d) Laboratory benchtop spectrophotometer.

LED LIGHT

a)

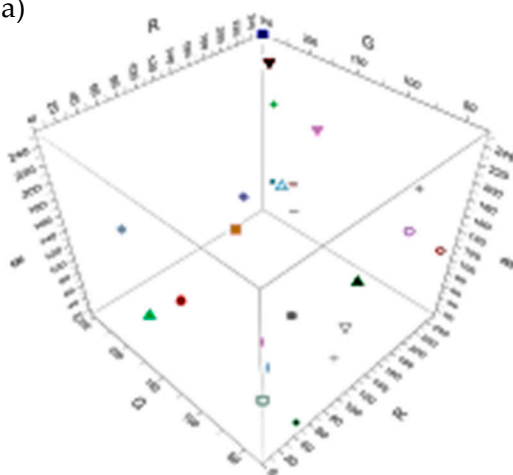


b)

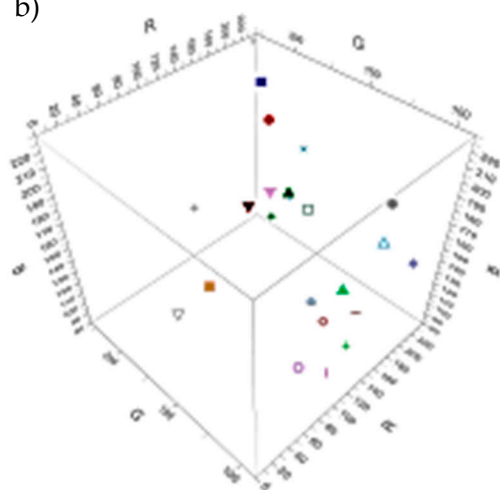


HALOGEN

a)

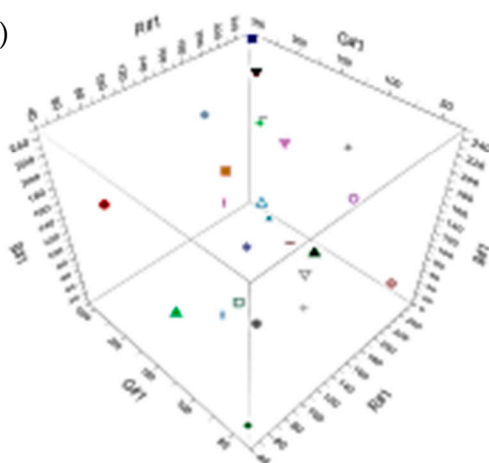


b)



DAYLIGHT

a)



b)

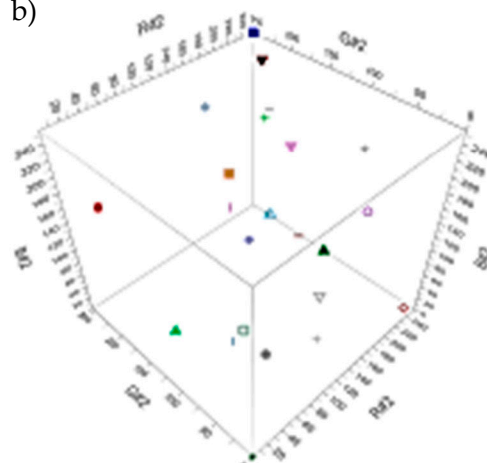


Figure S4. 3D distribution of the 24 colors of the correction palette according to their RGB parameters using different light sources. a) Unprocessed b) Processed