

# In-situ Data

## An in-situ spectral radiance database

Our in-situ database is a collection of several thousand spectral radiance measurements of various objects and scenes that people typically photograph. The database began as a way to provide training data for the color characterization of digital cameras in combination with their spectral sensitivities. Now you can optimize your color correction matrix based on real life data instead of using a ColorChecker.

### Main Features

- ✦ Approx. 2500 measurements
- ✦ Objects under various illuminations
- ✦ Measurement data range: 380 to 780 nm

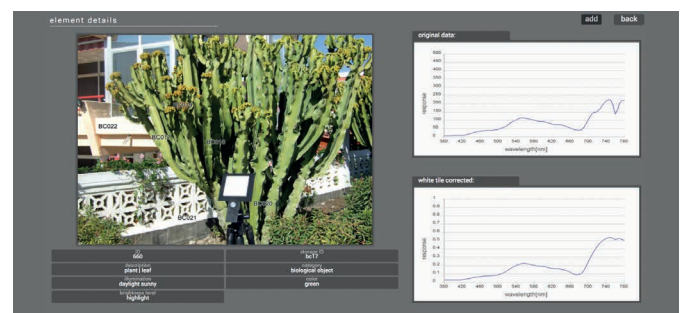


### Why in-situ?

Until now, the only commonly known source for in-situ measured spectral radiances was ISO 17321-1, which provides spectral radiances for 14 common objects. Our database has approx. 2500 spectral radiance measurements using numerous objects and lighting situations. Each object is available in two variants, incident light and white tile corrected.



Selection of biological objects



Element details