1. Detection of a transparent fluorescent label on transparent plastic film

A transparent plastic label should be detected on a transparent plastic film. It should be taken into account, that the label is fluorescent in using UV light. For this purpose a color sensor type **SPECTRO-3-FIO-UV** in connection with an external light source type **ELS-UV-1P**, further an optical fiber type **R-S-A3.0-(3.0)-1200-Y-22°/67°-UV** and an optical frontend type **KL-9-A3.0** are used. The distance of the frontend to the labels is approximately 11 mm and the spot size at this distance is around 2 mm in diameter. The labels can be proper detected as shown in the screenshots.