



### 1. Color control of a fluorescent lacquer on a cigarette box

The color as well as the intensity of a fluorescent lacquer on a cigarette box should be controlled. It should be noted that there are also other fluorescent marks on the cigarette box, but these colors are different (blue) from the fluorescent lacquer (green). At this a **SPECTRO-3-FIO-UV** in connection with an optical fiber type **R-S-R2.1-(6x1)-1200-Y-22°/67°-UV**, an optical frontend **KL-8-R2.1** and an external lightning source **SPECTRO-3-ELS-UV** is used. The distance from the frontend KL-8 to the cigarette box is approximately 11mm. As shown in the screenshots, a proper detection of the fluorescent lacquer is possible.

