

1. Color sensor with external side light unit: SPECTRO-3-SLU-JR + SI-SLU-16

The color sensor **SPECTRO-3-SLU-JR** in connection with the side light unit **SI-SLU-16** was designed for applications where either a through beam solution is necessary or the need of an external lighting source whereby the light should fall under a certain angle onto the object. As shown in the pictures additionally to the through beam arrangement, there is also an arrangement possible where the light will be strayed from an object into the direction of the color sensor or even the direct reflection from an object (V – arrangement) can be used. Characteristically for this sensor type is the bright lightning source, which allows to work even at a big distance or to look through an optical super dense object (nearly non transparent). There is also a UV-LED version available which can be used to detect fluorescent colors.

The **SI-SLU-16-UV** comes with 16 UV-LEDs and a black light filter and can be connected to the color sensor **SPECTRO-3-SLU-UV-JR**. The color sensor is equipped with a UV-light blocking filter glass. Due to the high UV-power even weak fluorescent colors can be detected.

