

1. Fluorescence color sensor type SPECTRO-3-FIO-BL/OR

The fluorescence color sensor **SPECTRO-3-FIO-BL/OR** is using ultra bright blue LED. The blue light will be converted from a suitable object into the upper visible wavelength range, but only the light above the yellow range will be used at the receiver side. The contrast sensor will be used in connection with an optical fiber type **R-S-A3.0-(3.0)-1200-67°** and an optical frontend type **KL-9-A3.0**. Normally the efficiency of the fluorescence material (marker) is sometimes very weak, thus a high amplification with a strong optical filtering is required from the sensor side. Due to the power consumption of the bright blue LED, a side heat sink is provided.

