

### 1. Optical frontends type KL-M34-XL-M...

The optical frontends type **KL-M34-XL-M...** will be used for optical high absorbing objects at a big distance. At this, the distance from the optical frontend to the sensor lies in the range of 80mm to 500mm and can be connected via the respective optical fiber to the **SPECTRO-3-FIO-ANA-XL** and **SPECTRO-3-FIO-JR-XL** color sensor. The following optical frontends are available:

- **KL-M34-XL-M5.0** (suitable for optical fiber **R-S-M5.0-...**)
- **KL-M34-XL-M6.0** (suitable for optical fiber **R-S-M6.0-...**)
- **KL-M34-XL-M8.0** (suitable for optical fiber **R-S-M8.0-...**)

**KL-M34-XL-M5.0****KL-M34-XL-M6.0****KL-M34-XL-M8.0**