



- Extremely bright illumination line
- High light intensity
- RGB LEDs integrated in one light source
- Adjustable spectral distribution
- Long-term stability of the spectrum
- Modular length
- Illumination profile adjustable via RS 485
- Robust housing
- Uncomplicated installation
- Easy to maintain

**Typical applications: sorting, quality inspection**

The RGB LED line illumination with integrated Fresnel lens features a compact design and homogenous illumination. A 24V/ 20A power supply that is stabilised by UPS or an elco buffer module is required. The illumination is parameterised and supplied with power via an industrial connector.

| Technical data                              |   |
|---|---|
| <b>Optical and spectral characteristics</b> |   |
| Mean LED-lifespan                           | 50.000 h                                |
| Pulse duration                              | 2 – 257µs (adjustable in 1µs steps)     |
| Working distance                            | 300mm (between 200 – 1000mm on request) |
| Illuminated line                            | 750 x 14mm                              |
| <b>Electrical characteristics</b>           |   |
| Power supply                                | 24 V DC +/- 10%                         |
| Max. current consumption                    | 20A (pulsed)                            |
| Communication                               | RS 485                                  |
| Trigger level                               | 5V TTL                                  |
| Connection                                  | 1 Harting connector 8-pole              |
| Number of channels                          | 18 (3 boards at 6 channels)             |
| <b>Mechanical characteristics</b>           |   |
| Dimensions                                  | (L) 950 x (B) 120 x (H) 120 mm          |
| Weight                                      | 5,2 kg                                  |
| Housing                                     | anodised aluminium                      |
| IP code                                     | IP 54                                   |
| <b>Operational conditions</b>               |   |
| Temperature (operating)                     | -10 ... 50 °C                           |
| Temperature (shipping)                      | -20 ... 65°C                            |
| Humidity                                    | 5% ... 95%, non-condensing              |

The illumination unit has a modular design made up of several boards of 300 mm length. Every board is controllable via six channels two channels each assembled with red, green and blue LEDs. Other LED wavelengths can be assembled optionally. Lengths between 350mm and 2150mm are available in 300 mm steps.

### Mechanical dimensions:

