



- Extremely bright illumination line
- High light intensity
- High Power VNIR 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 VNIR LED line illumination with integrated Fresnel lens features a compact design and homogenous illumination. A 24V/ 20A power supply is required. The illumination is parameterised and supplied with power via an industrial connector.

Technical data	
<b>Optical and spectral characteristics</b>	
Wavelengths	830 to 915 optimized distributed
Mean LED-lifespan	50.000 h
Intensity Distribution	0 – 100% 255 step controlled PWM
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
Connection	1 Harting connector 8-pole
Number of channels	5
<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 five.

The spectral output of illumination is optimized for C-MOS/CCD detector characteristics.

Other LED wavelengths can be assembled optionally. Lengths between 350mm and 2150mm are available in 300 mm steps.

### Mechanical dimensions:

