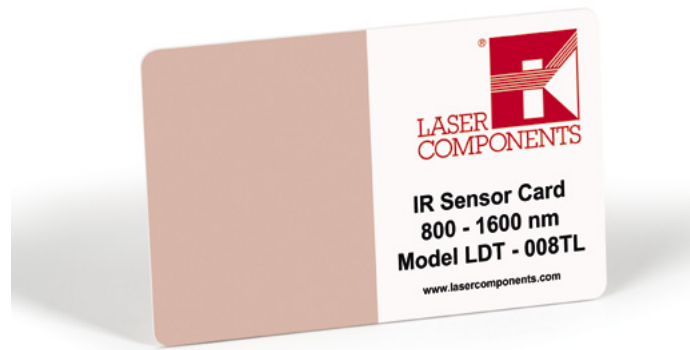


## IR-SENSOR CARD LDT-008TL



### SPECTRAL RANGE 800 – 1600 nm

The IR-conversion screen is a unique card.

Starting below 800 up to 1600 nm it converts invisible light into visible. It's emission is red (except a incidence of 950 – 980 nm where it emits green). The emission is based on „photon up conversion“ effects. The LDT-008TL does not need to be excited with UV-light. Converting from 1 mW up to 5 W/cm<sup>2</sup> at 1064 nm (even higher for a short period), it is a very versatile tool for everybody working with lasers in the range of 800 – 1600 nm.

Note: Compared to its predecessor LDT-008R, the LDT-008TL is a little less sensitive. Please ask Laser Components for samples.

### SPECIFICATIONS

Model	LDT-008TL
Excitation range [nm]	800 ~ 1600, especially at 950, 980, 1064, 1600
Peak emission [nm]	Green (545) @ 950 ~ 980; Red (670) @ 1500 - 1600; Red (650) @ others wavelengths
Base material	PVC ISO card standard format
Dimensions [mm]	85 x 54
Active size [mm]	54 x 42 (one reflective, two transmissive)
Approx Min IR intensity (daylight)	> 3.0 mW @ 1064 nm
Approx Min IR intensity (darkened room)	> 0.5 mW @ 1064 nm
Approx Maximum IR intensity	5 W/cm <sup>2</sup> @ 1064 nm, up to 20 W/cm <sup>2</sup> for short period of time

Technical changes reserved.

IR-SENSOR CARD  
LDT-008TL

