

LDT-300 BG

UV Conversion Screen



SPECTRAL RANGE 190 – 390 nm

The LDT-300BG converts UV laser radiation from 190 – 390 nm to visible, red light. The emission is based on “photon up conversion” effects.

The screen is suitable for cw and pulsed lasers. Typical applications are Excimer lasers, Gas lasers and tripled ND:YAG lasers. The screen does not require activation or moving inside the beam since there is no fading effect.

The active material is covered with a frame around it to protect the screen against mechanical shocks.

SPECIFICATIONS

Model	Excitation Range [nm]	Emission Range [nm]	Size of the Screen [mm]		Minimum Intensity	Maximum Intensity	Active size [mm]
LDT-300BG	190 – 390	red (approx. 660)	100 x 23	100 x 25	<100 mW/cm ² (cw) 1 mJ/cm ² (pulsed)	30 W/cm ² (cw) 1 J/cm ² (pulsed)	23 x 23

Technical changes reserved.