

UV Conversion Screen LDT-300 BG

Spectral Range 190 – 390 nm

The conversion screen LDT-300BG is the first high-power UV-conversion screen made from Laser Components. 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.



Model	LDT-300BG	
Excitation range	190 - 390 nm	
Emission	red (approx. 660 nm)	
Size of screen	100 mm x 23 mm	100 mm x 25 mm
Active size	23 mm x 23 mm	
Minimum intensity	<100 mW/cm ² (cw) <10 mJ/cm ² (pulsed)	
Maximum intensity	>10 kW/cm ² (cw) >10 J/cm ² (pulsed)	

Technical changes reserved.