

# UV Conversion Screen LDT-300B/BG

NEW!



## SPECTRAL RANGE 190 - 390 nm

The conversion screen LDT-300B (BG) is the first high-power UV-conversion screen made from Laser Components. The LDT-300B (BG) converts UV laser radiation from 190-390nm 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 difference between the B and BG version is the mounting of the active material. The active surface of the B version extends all the way to the edges of the conversion screen, which is very helpful for alignment tasks, while the active material of the BG version is covered with a frame around it to protect the screen against mechanical shocks.



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

08/06 / V2 / HW / lcwa / ldt-300b-bg\_e.doc



[www.lasercomponents.com](http://www.lasercomponents.com)