

Laser-Alignment-Paper LDT-LP

Industry Standard Laser Alignment Thermal-Sensitive Paper

- Simple
- Quick
- Affordable Laser Beam Alignment

LDT-LP Documents

- Beam Shape
- Mode
- Intensity
- Divergence
- Energy Distribution



Pulse Width Range	1 ns to 30 ms
Power Level Range	5 mJ/cm ² to 20 J/cm ²
Min. Beam Diameter	6.5 mm
Sheets per Box	75 pieces
Sheet Size	127 mm x 57 mm





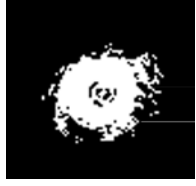

Caution:
Always Wear Laser Protective Eyewear

How to Handle the LDT-LP:

- LDT-LP is sensitive over a broad spectrum from ultraviolet to infrared, it is used to align external accessories to the laser beam axis, such as beam expanders, lenses, apertures, attenuators, and power measuring equipment.
- LDT-LP is simple to use. Hold or fasten it in the beam path at the point where the beam imprint is to be recorded. Pulse the laser and a permanent visual record is produced, corresponding to the energy distribution within the laser beam. If the laser being used is continuous wave (CW), you can create a short pulse by Q-switch, mechanical chopper, or by physically turning the laser on and off rapidly.

The Imprint on LDT-LP Paper Provides Information about

- Mirror alignment accuracy
- Energy distribution, mode quality and edge definition
- Vignetting
- Secondary emissions due to uncoated or mis-placed optics
- Divergence
- Optical damage in the beam path
- Save LDT-LP burns for historical evaluation and comparison of alignment and beam quality. OEMs and field service personnel commonly use previous burn patterns for quick performance checks

Misaligned / Aligned		What your laser beam should look like			
					
3 ms Pulse 0.1 Joules	3 ms Pulse 5.0 Joules	7 ns Pulse 3 mJoules	70 ns Pulse 90 mJoules	70 ns Pulse 310 mJoules	10 ms Pulse 20 Joules