

LDT-1064M IR Conversion Screen

Spectral range 780-830 and 870-1070 nm

The IR conversion screen LDT-1064M is particularly suited for mode structure analysis when profiling a laser beam. The card converts the wavelength range from roughly 780 – 1070 nm to visible light. It produces a high contrast for different intensities and glows less brightly than the LDT-1064B/BG models. Thus transverse modes of YAG lasers become visible. The active surface extends all the way to the edges of the conversion screen, which is very helpful for alignment tasks. These screens do not require UV light activation.



Model LDT-1064M

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Excitation wavelength	780-830 and 870-1070 nm
Emitted radiation	Yellow spectral range
Base plate material and size of the screen	Metal 100 mm x 50 mm
Active area	63 mm x 50 mm
Minimum IR intensity	ca. 0.5 W/cm ² (1064 nm, cw)
Maximum incident IR intensity	ca. 80 W/cm ² (1064 nm, cw)

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