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# imatest LED Lightbox

*Designed for dynamic range and ultra-high resolution testing*

## Why the Imatest LED Lightbox?

The Imatest LED Lightbox is a highly uniform light source for transmissive charts, designed for dynamic range and ultra-high resolution testing. With the Lightbox, you can align charts precisely with mounting rails, integrate with test fixtures using universal mounting points and control the light with wireless controls. Choose from a continuous range of color temperatures including near-infrared channels and intensity levels from 30 to 10,000 lux.

The lightboxes are available in nine standard sizes with:

- A single channel or two channels with a mixed mode for a continuous color spectrum
- Standard intensity levels between 30 and 10,000 lux
- 90% uniformity, 95% uniformity optional for size B and C



| Size | Diffuser Panel Size          | Intensity (min to max)*  | Light Temperature Options**   | Uniformity | Channel  |
|------|------------------------------|--|---|------------|--|
| B    | 260 x 220mm (10.24 x 8.66")  | 1 to 10,000 lux<br>30 to 5,000 lux<br>30 to 10,000 lux<br>30 to 20,000 lux<br>30 to 30,000 lux<br>30 to 50,000 lux<br>30 to 100,000 lux<br>NIR = 5 to 15 watts | 3100K<br>4100K<br>5100K<br>5500K<br>6500K<br>NIR 850nm<br>NIR 940nm | 90% or 95% | Single<br>or<br>Multi-channel with<br>mixed mode |
| C    | 432 x 305mm (17 x 12")       | 30 to 5,000 lux<br>30 to 10,000 lux<br>NIR = 5 to 15 watts   |   | 90%        |  |
| D    | 610 x 432mm (24 x 17")       |  |   |            |  |
| E    | 907 x 540mm (35.7 x 21.3")   |  |   |            |  |
| F    | 907 x 680mm (35.7 x 26.8")   |  |   |            |  |
| G    | 1225 x 680mm (48 x 26.8")    |  |   |            |  |
| H    | 1225 x 800mm (48 x 31.5")    |  |   |            |  |
| I    | 1440 x 800mm (56.7 x 31.5")  |  |   |            |  |
| J    | 1440 x 1100mm (56.7 x 43.3") |  |   |            |  |

\*In the multi-channel mixed mode, the intensity range is reduced to 200 to 1000 lux.

\*\*With the multi-channel version you may emit a single channel or mix a combination of channels together.

**Custom sizes are available.** Please contact [sales@imatest.com](mailto:sales@imatest.com).

### Control

- Manual
- USB
- WiFi

### Power

- 20W
- 110V
- 220V