

Imatest LED Lightbox

Designed for dynamic range and high resolution testing

Why Choose the Imatest LED Lightbox?

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

Lightboxes are available in two standard sizes with:

- ✓ Multi (dual) channel with mixed mode.
- ✓ Standard intensity levels between Visible: 30 ~ 10,000 lux or ~100,000 lux, NIR: 2 ~ 20 W/m².
- ✓ 95% and 93% uniformity (90% for NIR options).





Size	Diffuser Panel Size/ External Dimensions	Intensity (min to max)	Light Temperature Options	Uniformity	Channel**
B	260mm x 220mm (10.24" x 8.66") 400mm x 380mm x 150mm (15.7" x 15" x 7.9")	Visible: 30 ~ 10,000 lux 30 ~ 100,000 lux NIR: 2 ~ 20 W/m ²	3100K & 6500K * 5100K & 850nm	95% (90% in NIR)	Multi (dual) channel with mixed mode
C	432mm x 305mm (17" x 12") 600mm x 490mm x 150mm (23.6" x 19.3" x 7.9")	Visible: 30 ~ 10,000 lux NIR: 2 ~ 20 W/m ²	850nm & 940 nm	93% (90% in NIR)	

* Mixed mode allows you to achieve desired color temperature within that range.

** In mixed mode, minimum lux increases to 200.

Power

- ✓ 20W
- ✓ 110V
- ✓ 220V

Controls

- ✓ Manual
- ✓ USB
- ✓ WiFi



NIR-capable