
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 30 to 5,000 lux 30 to 10,000 lux 30 to 20,000 lux 30 to 30,000 lux 30 to 50,000 lux 30 to 100,000 lux NIR = 2 to 20 W/m ²	3100K 4100K 5100K 5500K 6500K NIR 850nm NIR 940nm	90% or 95%	Single or Multi-channel with mixed mode
C	432 x 305mm (17 x 12")	30 to 5,000 lux 30 to 10,000 lux NIR = 2 to 20 W/m ²		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.

Control

- Manual
- USB
- WiFi

Power

- 20W
- 110V
- 220V