

Imatest Thouslite LEDCube & Fixture

Tunable LED light sources with adjustable stands

Why Choose the Imatest Thouslite LEDCube & Fixture?

The Thouslite LEDCube and Imatest Fixture allow you to integrate this highly tunable reflective light source into your test lab. Reproduce any phase of daylight with the highest quality Color Rendering Index (CRI: 99) and Metamerism Index (MI: Grade A). Simulate various lighting environments to evaluate the performance of your cameras or sensors, including tests for auto white balance, color rendering, auto exposure, etc.

Imatest Thouslite LEDCube & Fixture Features

- ✓ Reproduce high quality blackbody & daylight illuminants including tungsten and daylight
- ✓ Correlated Color Temperature (CCT) from 2700K to 6500K with CCT accuracy $\leq \pm 50K$
- ✓ Luminance adjustable with no warm up time
- ✓ High uniformity ($< 96\%$) with flicker free light output
- ✓ Optimized heat management and driver board design for excellent long term stability
- ✓ LEDCube hardware can save up to 80 light source presets, programmable via software
- ✓ Fast & accurate calibration - compatible with spectrometer and LEDNavigator software
- ✓ Dynamic lighting - Programmable light sequences and intervals
- ✓ LED channel wavelength selection
 - service includes UV, Visible, and
 - NIR wavelengths
- ✓ Place up to 3 LEDCubes on each fixture using shelves with adjustable heights
- ✓ Position the fixtures in any position with lockable casters





Imatest Thouslite LEDCube & Fixture Specifications

Specifications	Details
Weight	LEDCube-C15: 7.0 Kg (15.5 lbs) LEDStand (pair): 27.2 Kg (60 lbs)
LEDCube Dimensions	300 mm x 300 mm x 210 mm Emitter Dimensions: 270 x 270 mm
Fixture Dimensions	620 mm x 500 mm x 1873 mm (24.41" x 19.69" x 73.74")
Crate Dimensions	1816.1 mm x 622.3 mm x 482.6 mm (71.5" x 24.5" x 19")
Total Shipping Weight	91 Kg (200 lbs)
LED Channels	15 Channels
Spectral Range	350-700nm
LED Lifetime	>10,000 Hours
Predefined Illuminants	Standard daylight D65, 050 CIE Ra: 33.85< Grade A (<0.25)
Tunable Range	CCT: 2000~20000K, CIE Ra: 0~100, Duv: -0.02~+0.02
Maximum Illuminance @ 1 m	D50: 1250 LUX D65: 850 LUX
Short-term Stability	D65< ±10 K, D50<±5 K; Luminance <0.5%
Long-term Stability	D65< ±25 K, D50<±15 K; Luminance <0.5%
Electrical	110/230 V, 50/60 HZ,180 W

