

PERCIVAL



SciBrite[®]

by Percival Scientific

Not All Colored LEDs Are the Same

The undetectable flaws in some colored LED lighting can drastically affect the results of your research, so don't be fooled by your eyes.

We Solved the Problem of Spectral Banding

Colored LEDs in linear arrangements often cause spectral banding. This means light isn't evenly mixed or distributed across the photosynthetically active radiation (PAR) spectrum, which is the spectrum most ideal for plant growth. Though not always visible, spectral banding can interfere with consistent plant growth and accurate research results.



Percival's engineers focused on solving this problem. Through diligent research and development, they created SciBrite — a first-of-its-kind colored LED lighting system that outperforms systems using linear arrangements.



Colored LEDs With Unparalleled Performance



SciBrite Lighting Performance Is Tested and Proven

Unparalleled Uniformity

Percival Scientific's SciBrite LEDs achieve consistent lighting uniformity across all regions of the PAR spectrum at measured levels never seen before. Our engineers applied high-level testing to reach an impressively low global relative standard deviation of light uniformity across all colors.*

Evenly Mixed Colors

When measured with proper scopes, SciBrite LEDs show evenly mixed color ratios, which ensures consistent plant growth inside our growth chambers.

Superior Spectral Control and Low Heat Emission

SciBrite lighting can be configured with up to eight colors, allowing you to create nearly any spectrum your research requires. Each color is independently dimmable in one-percent increments for precise control over specific wavelengths. SciBrite LEDs also emit very little heat.

You won't find other colored LED lighting with the same proven performance as SciBrite.

*The coefficient of variation of the light intensity is less than 0.08 at 15cm and 0.05 at 30cm in our 41 standard series chambers.



Don't Risk Your Research to Colored Lighting That Can't Measure Up

Learn more about how we've proven our
SciBrite® lighting will give you the consistent,
accurate results you require. Contact us for
a free consultation.



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