

X-RiteColor® PREMIER 8000 Series

HIGH-PERFORMANCE BENCHTOP SPECTROPHOTOMETERS

SETTING STANDARDS
FOR PRECISION, ACCURACY
AND FUNCTIONALITY



- Built-in image capture technology – *ensuring accurate sample positioning*
- Horizontal and vertical positioning – *offering the power of two instruments in one*
- Transmission and reflectance measurement – *providing maximum flexibility*



EXPERIENCE
the measurable color difference.™

The best benchtop spectrophotometer, inside and out.

X-Rite spoke with current benchtop spectrophotometer users and learned about their unmet needs. We responded by creating an all-new benchtop unit – one that meets customer requirements and reflects our industry-leading position in color measurement.

The new **X-RiteColor® Premier 8400** high-performance benchtop spectrophotometer is dramatically different. It sets industry standards for functionality while meeting expectations for precision and accuracy. Together with the new **Premier 8200** unit, it is simply better designed and better built than its counterparts – inside and out.

Top 12 Reasons to Choose X-Rite

1. Accurate sample positioning via image capture – *Save time and eliminate the need for remeasuring*

The Premier 8000 Series is the first benchtop spectrophotometer line to introduce built-in image capture technology. This innovative capability lets you capture an image of a sample digitally, and view and verify it on your computer monitor before measuring. X-Rite has a patent pending on this technology.

2. Horizontal and vertical positioning – *Get the power of two instruments in one*

This benchtop spectrophotometer is built to work in two positions – vertical and horizontal. In its standard, front-loading position, you can present and measure samples in vertical orientation. In its top-loading position, you can present samples such as powders and liquids horizontally, on the aperture.

3. Easy-access transmission measurement chamber – *Achieve maximum flexibility*

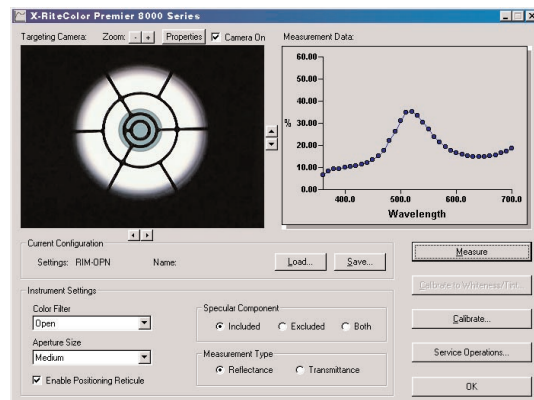
The instrument has an extra-wide transmission chamber to accommodate larger samples, including various-sized sample holders and cuvettes. In addition, the unit is capable of both direct and total transmission measurement. Whether you're working with transparent plastics, glass, dyes, petroleum or other liquids, you'll find it easy to get precise, accurate measurements of transmitted and absorbed light – without time-consuming adjustments.

4. Inter-instrument agreement – *Share color data across the supply chain*

The Premier 8400 model complements all X-Rite industrial color-measurement solutions. It provides excellent inter-instrument agreement, as well as agreement with X-Rite portable sphere instruments. This allows you to share color data throughout your enterprise – from lab to lab, or lab to production floor. For a global corporate standard solution, choose the Premier 8400.

5. User-selectable illumination filters – *Attain maximum flexibility*

UV exclusion filters (400 nm and 420 nm) and Illuminant A simulation filters are standard on the 8400 (only the 400 nm



Built-in image capture technology allows you to view and verify the sample target before measurement.

filter is standard on the 8200). UV exclusion filtration identifies the presence of fluorescent materials, while Illuminant A simulation filters ensure agreement on fluorescent samples with X-Rite portable spectrophotometers.

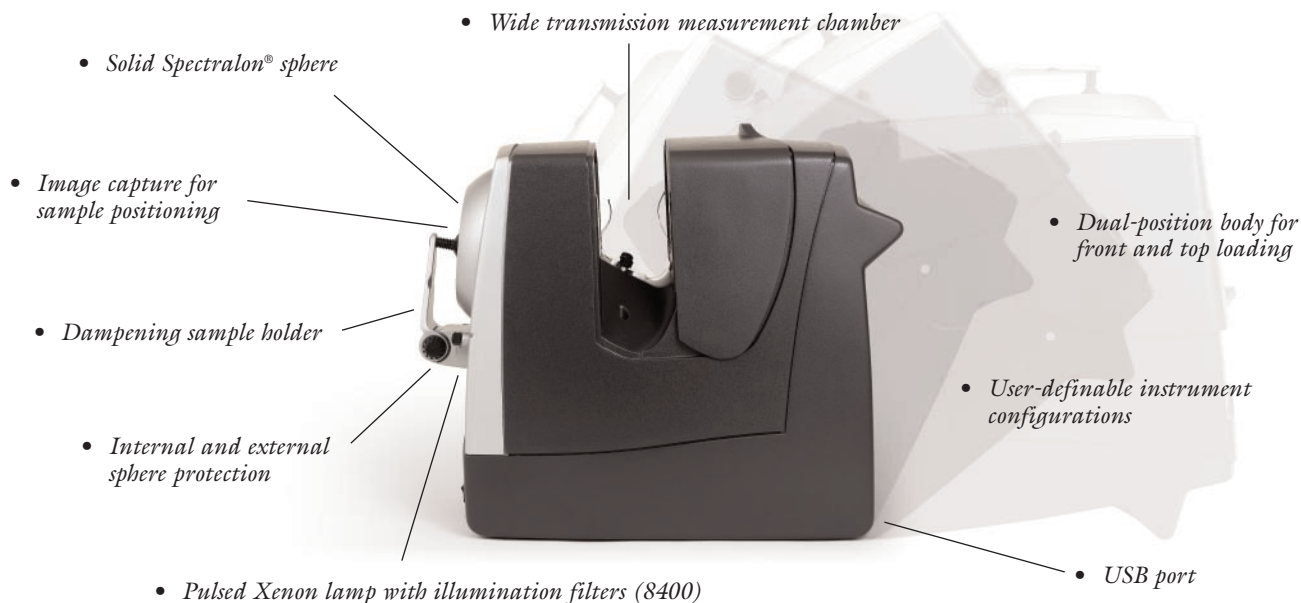
6. Durable, maintenance-free Spectralon® sphere – *Save on maintenance, improve measurement capability*

This is the only benchtop spectrophotometer whose sphere interior is made of machined Spectralon. Patented by X-Rite, Spectralon is a rugged, scientific-grade reflectance material – not a coating. It won't corrode, flake, peel or yellow with age, and it eliminates the need for costly, time-consuming recoating. Spectralon also offers the highest level of reflectance available, maximizing measurement results.

7. Versatile sample holder – *Appreciate the convenience*

The sample holder offers a number of intelligent features to make your job easier:

- Dampening action: Controlled closing action protects the sample and the instrument.
- Adjustable sample alignment platform: Provides support that helps you place repetitive samples consistently.
- Detent lever: Allows you to prop the holder open, if necessary.



Setting new standards

8. Internal and external protection – Prevent costly contamination

The instrument has built-in protection from contamination. An optically pure glass plate shields the lamp from damage. And a second, optional protection plate is available to guard against spills when the instrument is in horizontal position.

9. USB interface – Enjoy the convenience

This is the first benchtop with a USB interface to the software, providing plug-and-play convenience.

10. Auto UV calibration for fluorescence – Save setup time and eliminate errors

X-Rite's software allows you to include automatic UV calibration points for measuring fluorescence. This timesaving feature is valuable for industries that control fluorescence.

11. Multiple aperture accommodation – Achieve exceptional accuracy

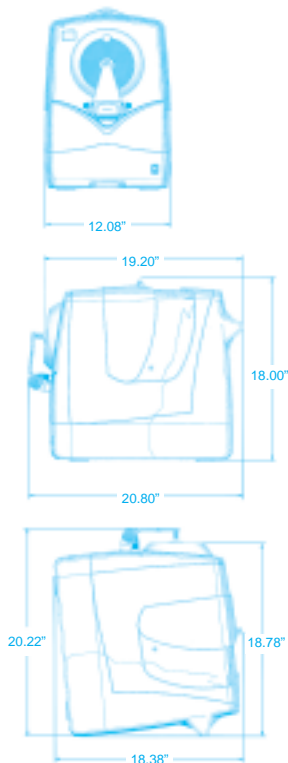
The Premier 8000 Series gives you the flexibility to choose from three view aperture sizes with their corresponding illumination spot sizes. This allows you to match the aperture to the sample size, maximizing your accuracy in fewer measurements. You'll especially like this feature when measuring several different-sized samples.

12. User-defined instrument configurations – Save time each time you measure

X-RiteColor® Master software – which manages both quality assurance and color formulation – controls all Premier 8000 Series functions, so there's no need to interact with an instrument keypad. The software lets you save and store frequently used instrument configurations for quick selection. This timesaving feature allows you to measure samples under various settings. It is also valuable for companies whose instruments are used by multiple people.



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System Requirements

- Windows 98SE, 2000 or higher
- USB port
- CD-ROM drive

System Components

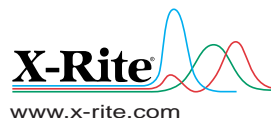
- Benchtop spectrophotometer
- Calibration standards
- Line cord
- Operation manual
- USB cable
- Three (3) port reducers

Service and Support

X-Rite leads the market in service, providing phone/web/e-mail support, instrument recertification and flat-rate service contracts, as well as hands-on training classes worldwide.

More Information

To learn more about the X-RiteColor Premier 8000 Series, visit www.x-rite.com/products or call **1-888-826-3042**.



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