

Lighting Options for the Benchtop System - Reflectance

Resonon offers two lighting options for use with the Benchtop – Reflectance system, each offering different advantages.

The recommended solution for most applications, and the default lighting for the Benchtop – Reflectance System, is the **6-Fixture Halogen** light. This lighting system provides diffuse illumination over a large area, making it the most versatile choice and the best performing option when scanning objects of different surface-finishes and heights.

The second option is the **Fiber Line** light. This is sold as an option for the Benchtop – Reflectance System. This lighting system produces a narrow line of light at a small range of incident angles. This option is recommended for dark field imaging, experiments where heat might impact the samples being scanned, or for objects of limited height range. The 6-Fixture Halogen is shown below on the left, the Fiber Line on the right.



The 6-Fixture Halogen has higher output in the visible range, where the Fiber Line has higher NIR output, as seen in the graph, below.

