



Building Science Research

Challenge – Collecting data to improve the indoor built environment

Situation:

You are a consultancy or research body that needs to test, measure, and monitor indoor environments. Through your work, you assess the quality of existing lighting systems, diagnose issues, offer retrofitting service, and give general advice to help building developers, owners, and managers to ensure that their buildings meet regulatory requirements and deliver desirable working and living conditions.

Current Solution:

To collect your data set, you conduct a single site visit. You move around the space gathering spot data readings using a tripod, your light measurement tools, and a computer: a bulky set up, requiring multiple components, that must move as a unit. You arrive back at the office and spend significant amounts of time working with the data to extract the necessary information.

Wave Solution:

With the handheld WaveGo, accurately collect the required ambient light information in just one-click as you walk unhindered through the space. Using your smartphone, check your readings instantly to ensure comprehensive data collection, making the most of your single site visit. Back at the office, access the data files via the WaveCloud to synthesize your research findings, make your recommendations, or verify the quality of light in the space to existing standard certification schemes.