

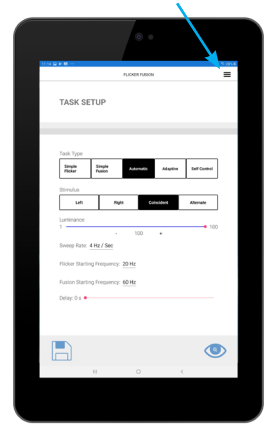
Flicker Fusion System

Quick Start Guide

Thank you for purchasing the Lafayette Instrument Flicker Fusion System! This document contains important details about how to learn more about the Flicker Fusion Test. **It is highly recommended that all users view the full manual available in the upper right hand navigation menu of the Flicker Fusion Testing app. It is also available from our website:**
www.lafayetteevaluation.com/products/flicker-fusion

Flicker Fusion Testing Application

The Lafayette Instrument Flicker Fusion system requires a tablet application for device control and data storage. The tablet allows for exact and repeatable frequency settings, and a means for test result scoring and storage. The Flicker Fusion app is available in the iOS App Store® or Google Play™.



Flicker Fusion Testing
App Icon

Testing Overview

The Flicker Fusion is designed to test for the critical flicker fusion threshold (CFF). CFF can be used as an index of the temporal resolving power of the human visual system. The threshold of the flicker fusion is determined in the following manner: a light beam is interrupted intermittently by electronic means at a slow rate, causing it to flash or flicker. If the rate of the flicker exceeds a certain rate, the light will appear steady. The rate at which flicker ceases and the light appears steady is the threshold of fusion. The rate of flicker is then decreased from steady to the point at which the light changes from steady to flicker, the threshold flicker. The average of the threshold of fusion and the threshold of flicker is called the Critical Flicker Fusion threshold (CFF).

Photosensitivity Warning

A small percentage of individuals may experience symptoms of photosensitivity when exposed to flashing lights. These symptoms include feelings of nausea, dizziness, migraines, visual distortions, or photosensitivity induced seizures characterized by one or more of the following: light-headedness, altered vision, eye or face twitching, jerking or shaking of arms or legs, disorientation, confusion, loss of consciousness or convulsions that can lead to injury from falling or collision. Symptoms can occur in individuals with no history of seizures or epilepsy. Immediately stop using the Flicker Fusion if you experience any of the above symptoms. Consult a physician before using the Flicker Fusion if you or a relative have a history of seizures or epilepsy.

