Platformatics™
Beautiful Environments Through Intelligent Applications.

Enhancing Learning through Better Lighting

There are many keys to success for award winning schools. What they share is a focus on learning. Positive outcomes are measured through standardized tests which provide timely feedback to students, teachers and administrators.

Test results provide visibility to ensure students are adequately learning curriculum. While schools have done a great job placing students in aptitude appropriate classes and providing basic nutrition, most schools have done very little to create an optimized learning environment.

The Optimized Environment

Like all biological species, humans require different amounts of light and color throughout the day. We also require the right balance of humidity, CO_2, O_2 and Temperature. Without the ability to measure and control light output (and other room conditions) administrators have no way to know if students are learning in the right environment. Numerous studies have shown that a healthy and well-lit room improves cognitive ability and productivity--in many instances--over 10%! Even if conditions in a room only improved learning outcomes by 1%--what's that worth?

The Solution

Platformatics creates a productive learning environment by using lights that support a range of color temperatures (from 3000-6000K). These lights enable classrooms to operate with a circadian rhythm playlist throughout the day. By adjusting the kelvin temperature of room lights, the system helps to keep students' metabolism in synch with the sun. The system also supports deep dimming and motion control as well as a variety of building sensors used to monitor environmental conditions (light level, CO_2, RH, Temperature, and more).

The system helps ensure that learning and testing is done in rooms that are within school specified tolerance levels.

Platformatics daylight harvesting and advanced scene based controls enables schools to save 20% or more on energy vs traditional control systems. Platformatics saves over 75% when compared with fluorescent systems.

System Highlights

- Increased productivity, cognitive processing and concentration
- Improved mood
- Decreased headaches and fatigue

Platformatics enables schools to monitor and measure room environments to ensure a healthy, comfortable, and productive learning environment.

Visit Platformatics.com to learn how to build beautiful environments through intelligent application.