



## Enhancing Patient Recovery through Better Lighting

With the high cost of hospitalization and exposure to illness and disease, it's important for patients to be discharged as soon as possible. There are many strategies to accelerate patient recovery. Reducing stress and ensuring that the patient has a restful experience are very important. While medical staff do an outstanding job providing care and



administering treatment, most hospital operators give little thought to the impact that poor lighting has on patient care and recovery.

## The Optimized Care and Recovery 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<sub>2</sub>, O<sub>2</sub>, and Temperature. Without the ability to measure and control light output (and other room conditions) care givers have no way to know if patients are recovering in the right environment. Numerous studies have shown that a healthy and well-lit room improves cognitive ability and well-being. Even if conditions in a room only improved recovery outcomes by 1%--what's that worth?

## The Solution

Platformatics creates a healthy treatment and recovery environment by using lights that support a range of color temperatures (from 3000-6000K). These lights enable recovery rooms to operate with a circadian rhythm playlist through the day. By adjusting the kelvin temperature of room lights, the system helps to keep patients' 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<sub>2</sub>, RH, Temperature and more).



The system helps ensure that patient treatment and recovery is done in rooms that are within hospital tolerance levels. Recovery rooms will often run a different playlist than treatment rooms.

## System Highlights

Platformatics enables hospitals to monitor and measure treatment and recovery room environments to ensure patients benefit from rapid, comfortable, and restful recovery.

Platformatics daylight harvesting and advanced scene based controls enables hospitals to save 20% or more on energy vs traditional control systems.

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