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## **New Programmable SkyCeilings enhance the interior environment and may be a tool for healing**

The Sky Factory has a new class of virtual skylight titled Programmable SkyCeiling. This new product introduces a feature that recreates and simulates the rising and setting of the sun; this may have an application in regulating circadian rhythm.

*A simulation of the Programmable SkyCeiling can be watched at the following link: <http://www.theskyfactory.net/flash/programmable.html>.*

**Fairfield, IA TBD** – The Programmable SkyCeiling creates an enhanced illusion of nature by introducing changes of light, color, and time. The programmable feature allows SkyCeilings to rise and set with the sun by following the intensity of local daylight. A small computer that can be programmed for any geographic area is responsible for producing the many small changes of light output.



**By respecting the body's circadian rhythm, the Programmable SkyCeiling can be viewed as a healing tool.**



Dr. Michael Hastings, from the Medical Research Council Laboratory for Molecular Biology in Cambridge, discover that deterioration in the condition of dementia patients could be slowed down by 5% through utilizing light therapy and the body's natural cycle (circadian rhythm). The doctor explains that one of the difficult dementia symptoms to cope with irregular sleep patterns due to a disrupted circadian rhythm. Hastings believes that light therapy may have its application elsewhere because other neurological diseases such as Huntington's and Parkinson's are linked with the disruption of circadian rhythms.



### **Many applications**

This added dimmable feature for SkyCeilings increases both ascetic appeal and real benefits to human physiology and well-being. For example, in an ICU we can reinforce the bodies' circadian rhythm to help healing. Another way to implement this technology is in a nurse's station where you can create an environment of alertness during the middle of the night. This same type of effect can also be translated for casinos, restaurants, and other venues. In short, it is a tool for modifying experience in virtually any interior environment.

### **How it works**

The Programmable SkyCeiling uses the same 6500K, T-5 fluorescent. Lighting as our ordinary SkyCeiling's but is enhanced by a separate set of 2800K T-5 lighting and the DALI control system. DALI, (an acronym for **Digital Addressable Lighting Interface Digital Addressable Lighting Interface**) is a digital protocol for the controlling of lighting, such as electrical ballasts and dimmers. The programmable system can be manually controlled via personal computer or programmed to run on a timer through a locally installed control box.

The programmable capability combined with the lower temperature lighting allows The Sky Factory to take "Magical Illusions of Nature" one-step further with real-time illusion of a rising and setting sun. Further capability, with more advanced programming and the possibly of different colored lamps could allow for more dramatic effects, such as lightning.

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