

Light over Time Dynamic Lighting Profiles

Helvar



Human Centric Lighting

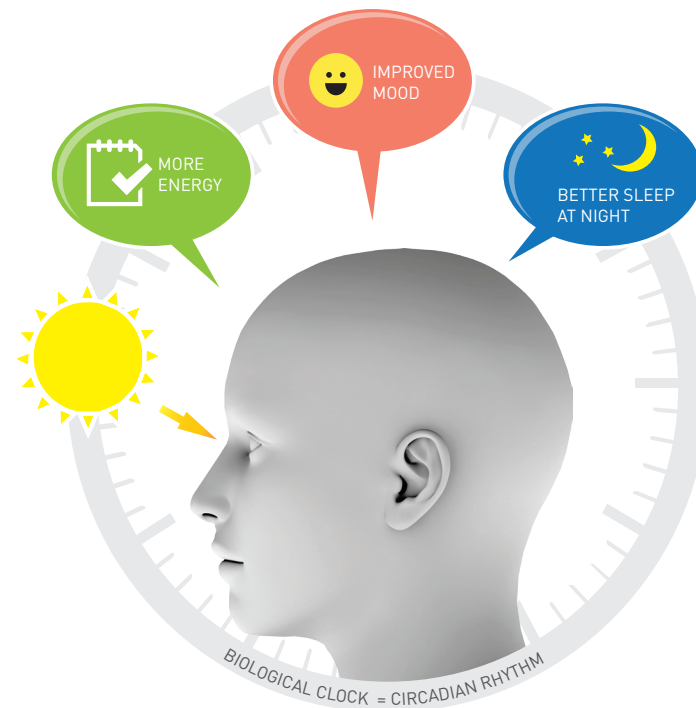
The emotional wellbeing, comfort, health and productivity of individuals can be enhanced simply through the correct control of the lighting.

Most lighting installations today maintain a constant colour temperature and intensity during the course of the day. In contrast, natural light will vary in colour temperature and intensity from sunrise to sunset and these variations are vital for maintaining our personal biological clock or “circadian rhythm”.

Studies have shown that unbalanced amounts of cool or warm white light and intensities can disrupt a person’s 24 hour circadian rhythm particularly when exposed at unnatural times of the day.

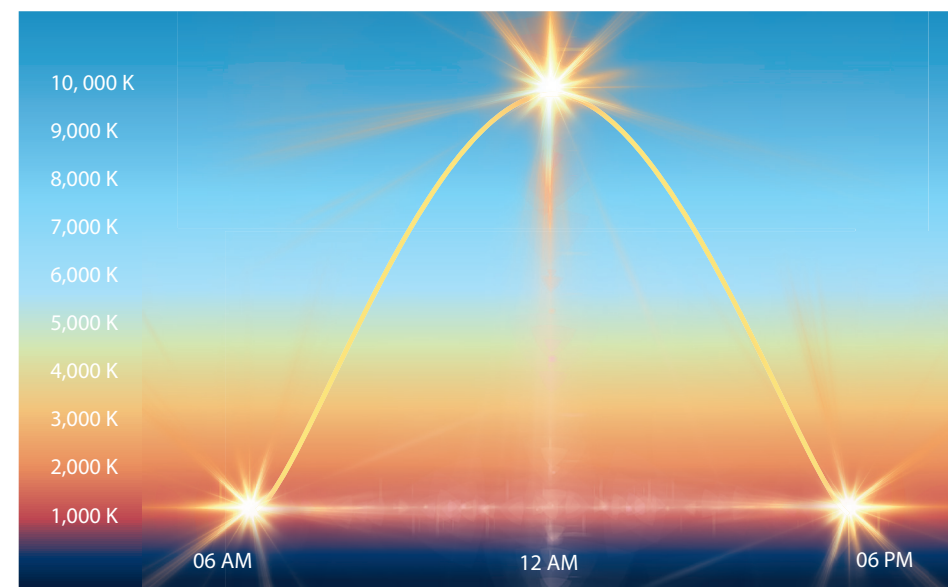
HELVAR IC SOLUTIONS

Helvar are a leading manufacturer of tunable white LED solutions with our intelligent iC Range, complying with the latest DALI colour control standard. The most recent innovation to compliment the iC Range is our Light over Time® lighting profile creation and implementation tool.



The aim of this feature is to balance the artificial lighting in our daily environment and provide a more natural lighting cycle to aid with peoples wellbeing, concentration and alertness throughout the course of the day.

COMMON COLOUR TEMPERATURES



Light over Time

Everyone’s circadian rhythm and perception of light is different. Activity, location, and age are just some of the factors which could determine which lighting profile is best suited for the environment. Our Light over Time solution is completely customisable to meet specific application and occupant needs. Designers are able to create the desired cycles for the specific project environments.

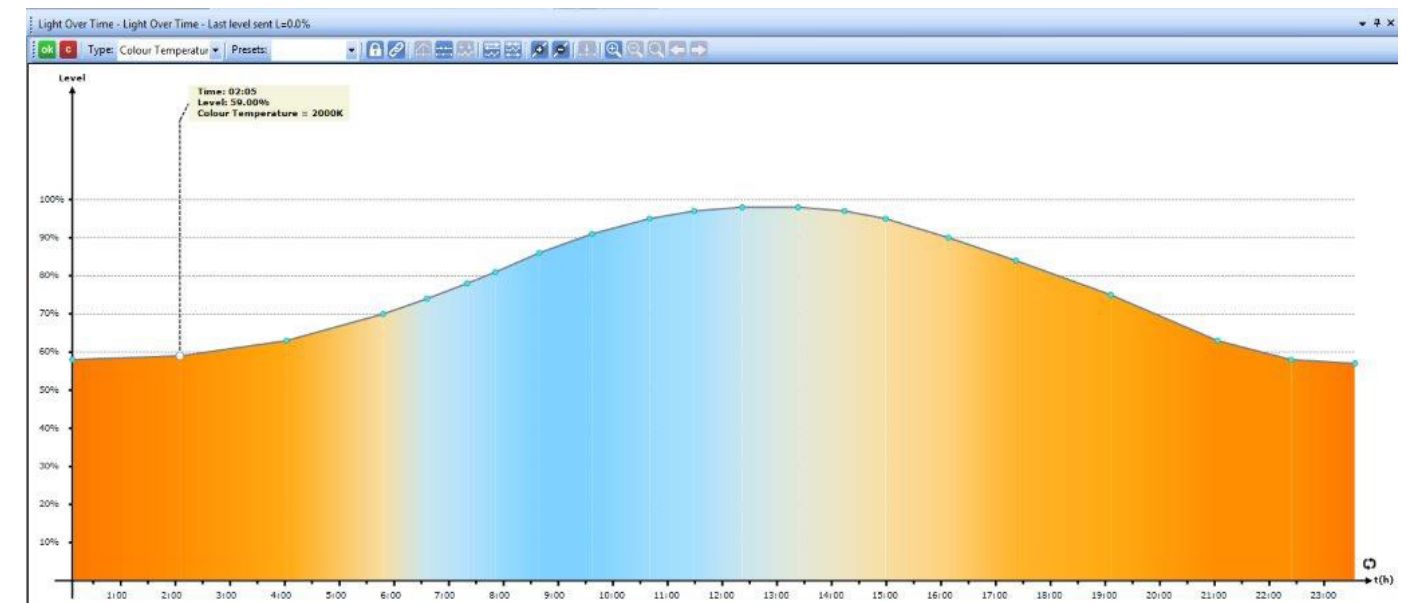
For such an important feature to bring to a working, teaching or healthcare environment, we understood

the need for designers and end users to visualize their lighting profile to better understand and engage with the experience.

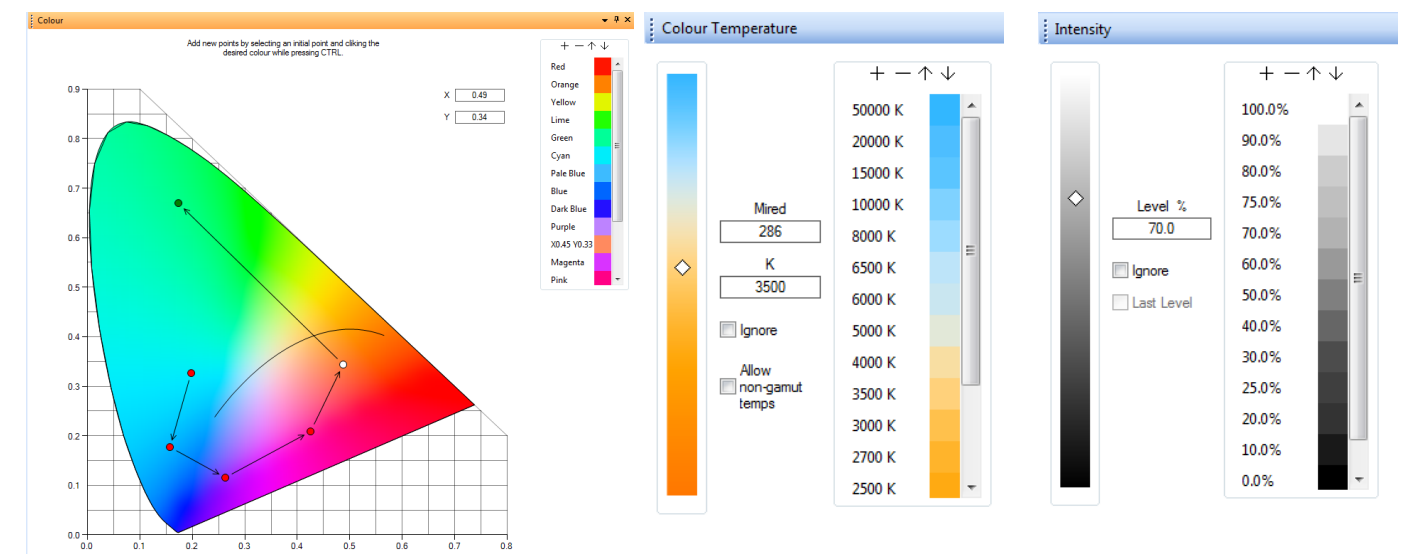
This is why Light over Time profiles are graphically produced and implemented during the configuration phase of the project*. As the environment, people and space usage changes, profiles can be edited, saved or reloaded*. For peace of mind or special events, overrides can be set for a period of time or indefinitely.

**Configuration, editing and alterations require the assistance of Helvar trained engineers.*

LIGHT OVER TIME INTERFACE



COLOUR AND INTENSITY EDITORS





HUMAN-CENTRIC LIGHTING REFERENCE

Helvar has supplied a sophisticated, human-centric lighting control system to The Leadenhall Building studio of famed international architect Rogers Stirk Harbour + Partners (RSHP) in London.

The client was keen to explore the use of dynamic tunable white in their studio, with the aim of adding a level of wellbeing as the team often worked long hours.

“The lighting control system delivers an approximation of the natural circadian cycle, changing seamlessly from warm in the early morning to cool through most of the day. To facilitate concentration, and warming up again in the late afternoon providing visual comfort as natural light fades and the office moves into an evening working mode.”

Iain Ruxton, Associate at Speirs + Major.

Helvar has representatives all over the world.
For additional information, please visit www.helvar.com