

Advantages of Chromaviso 12/24 Circadian Lighting

– DALI-compatible luminaires with built-in circadian lighting

Summary:

- Plug-and-play-aktivering via 230 V eller DALI-scene 15
- No need for programming or configuration of the circadian lighting
- Compatible with all common DALI-2 DT8 (Tc) systems
- Can be used in both stand-alone and integrated DALI solutions
- Wide Kelvin range (1,800–6,500 K)
- Built-in blue-free night light
- Easy replacement of existing DALI luminaires

Pre-programmed luminaire with built-in circadian rhythm controller

Chromaviso's new luminaires come with an integrated circadian controller that activates automatically when the luminaire is connected to 230 V. The circadian lighting can also be activated via a DALI scene call (scene 15). All parameters — including time, colour temperatures, and light intensities — are pre-programmed in the luminaire. This makes the installation of circadian lighting plug-and-play, with no need for separate control components or programming to enable changes in colour temperature and intensity throughout the day.

Full DALI compatibility

The luminaire is 100% DALI-compatible and can, in addition to delivering circadian lighting, function as a standard DALI-2 DT8 (Tc) luminaire. This means it can be operated and controlled like any ordinary DALI luminaire.

The luminaire supports:

- Self-governing DALI zones (broadcast from switches or sensors)
- Connection to Application Controllers
- Integration with BMS and CTS systems

This provides maximum flexibility — whether the luminaire is used on its own or as part of an advanced lighting control system.

High light quality and health-promoting spectrum

The luminaire covers a wide colour temperature range from 1,800 K to 6,500 K, with CRI > 90 for all colour temperatures above 2,500 K. It also includes a blue-free night light that supports the body's natural circadian rhythm and ensures comfortable illumination during night-time operation or evening work.

Fast upgrade of existing installations

In most cases, Chromaviso circadian luminaires can directly replace existing DALI luminaires without the need for reconstruction, new control systems, or changes to existing cabling. This makes it easy to upgrade older installations to modern circadian lighting with minimal time investment and low installation costs.

Operation and System Integration

Chromaviso supplies complete solutions for circadian lighting, including luminaires and control panels with intuitive icons for simple and user-friendly operation. The control panels can easily be integrated into DALI-based installations and support both self-governing DALI zones and central control systems.

In addition to the solution shown, the controls can also be delivered in a wireless version, which integrates seamlessly into existing control and communication architectures.

Example of a system setup with self-governing DALI zones (Broadcast):

Luminaires and control panels are connected directly via DALI, without the need for a central controller.

