

# SIEMENS

*Ingenuity for life*

## Deliver the right light for every situation.

Siemens GAMMA KNX Tunable White  
lighting control.

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Light affects the way we work, play and feel. For your customers, and the occupants of their buildings, delivering the right light is important. Studies show that proper indoor lighting improves our well-being and makes us happier, healthier and more productive.

In an office or classroom, for example, optimal lighting helps increase focus and attention spans – reducing mistakes and boosting productivity by 10% to as much as 50%. It also helps reduce ailments such as eyestrain, headaches, nausea and neck pain. In general, office workers have fewer motivation issues, illnesses and absences. Healthcare facilities also report the healing properties of good lighting. Hospitals, care centers and nursing homes report that the right light helps decrease the time it takes people to heal and recover.

### **Trust Siemens to provide the right, healthy light**

The right indoor lighting helps create a healthy environment by mimicking daylight, gradually changing color temperature as the day progresses. You can rely on Siemens GAMMA KNX Tunable White lighting control to “tune” the color temperature in your installation so that the light transitions from warm to cold and back to warm, just like sunlight. In general, cold white light promotes concentration. Warm white light has a calming effect and promotes creativity.



Siemens Tunable White mimicks daylight by gradually tuning the color of the light.

# Siemens Tunable White with KNX devices

Tunable White capabilities are embedded directly in Siemens two types of GAMMA instabus devices: the KNX/DALI Gateways and the new KNX switch/dim actuator DALI. They control the light's color temperature using dimming as well as scenes, schedules and effects. Easy to install and integrate, these devices ensure the highest efficiencies and cost effectiveness for you and your customers.



## KNX/DALI Gateways N 141/..

Siemens KNX/DALI Gateways are the interface between a KNX installation and a digital DALI lighting system. They enable communication with up to 64 DALI ballasts (ECG) per channel. You can quickly and easily integrate room-related lighting control into the higher level KNX building management system with the highest energy efficiency.

### Highlights of the KNX / DALI Gateways include:

- All KNX/DALI Gateways support Tunable White for individual or group DALI lights
- Tunable White uses scenes, effects and schedules for human-centric lighting applications
- Three different KNX/DALI Gateways offer the flexibility you and your customers need
- DALI sensors and brightness controllers make installation highly flexible
- Defective ballasts (ECGs) can be replaced without the need for software
- Compatible with ECGs of DALI Ed.1 and DALI-2



## Switch/dim actuator N 525D11, 2x DALI broadcast

Siemens new switch/dim actuator N 525D11 with 2x DALI broadcast delivers energy-efficient operation and low maintenance costs for complex DALI edition 1 and DALI-2 light control systems. When combined with presence detectors, which help control brightness automatically, the actuator achieves simultaneous control of brightness and color temperature.

### Highlights of the switch/dim actuator DALI include:

- Tunable White human-centric lighting applications when the actuator is connected to KNX devices with effects or schedules
- Energy-saving switching and dimming of up to 20 DALI ECGs per channel in broadcast mode mean higher light comfort
- Adjustable dimming delivers optimal lighting for greater comfort
- Easy installation and low maintenance expenses

## Gain a competitive edge with Siemens GAMMA instabus KNX portfolio

The devices supporting Tunable White are part of Siemens GAMMA instabus range, which is based on the worldwide KNX standard for home and building control. Learn more about our comprehensive KNX range, which has cross-discipline solutions in room and building automation, including lighting, solar protection, display and operation, energy monitoring and system products, as well as heating, ventilation and air conditioning. Visit [siemens.com/gamma](https://www.siemens.com/gamma).



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