WHY KUMUX

KUMUX LIGHTING

HOW TO PROMOTE WELL-BEING THROUGH ARTIFICIAL LIGHT?

Since the discovery of the dependence between the impact of daylight on humans and the circadian rhythm, the lighting industry is providing light as similar as possible to natural daylight.

KUMUX LIGHTING

KUMUX Lighting simulates natural light characteristics indoors, using artificial dynamic light. It adapts the indoor lighting conditions according to human needs, **to reduce the impact on our circadian rhythms and improve our health**.

Vision
Sight, safety and orientation

Body
Alertness, cognitive performance and sleep/wake cycle

Emotion
Mood, energize and relaxation

With an advanced and **dynamic Human-Centric Lighting**, KUMUX provides you the **right light intensity and color temperature** to mimic natural light in your geolocation, all day long, all year and based on the study of the natural light.

Geolocation

Daytime

Data models

Bearing in mind scientific data about the effect of light in humans, **KUMUX Lighting also accomodates light to the indoor space (solution) and the activity needs**.

Wake-up

Energize

Concentrate

Relax

Sleep

Office

School

Hospital

Elderly care

Hotel

KUMUX

KUMUX LIGHTING BENEFITS

Health

KUMUX solution helps **regulae people's circadian rhythms** and creates a positive impact on their health and well-being in several ways:

VISUAL
Sight
Safety
Orientation

EMOTIONAL
Mood
Energy
Relaxation

BIOLOGICAL
Alertness
Cognitive
Performance
Sleep-wake cycles

ECOLOGICAL
Energy saving
CO2 Footprint

Financial

KUMUX solution reduces the electricity consumption of lighting system by 20% with light regulation, **reducing the CO_2 footprint and electricity bill.**

In addition to the **increase in productivity of employees**, Human-Centric Lighting could have important **financial benefits for your business**.
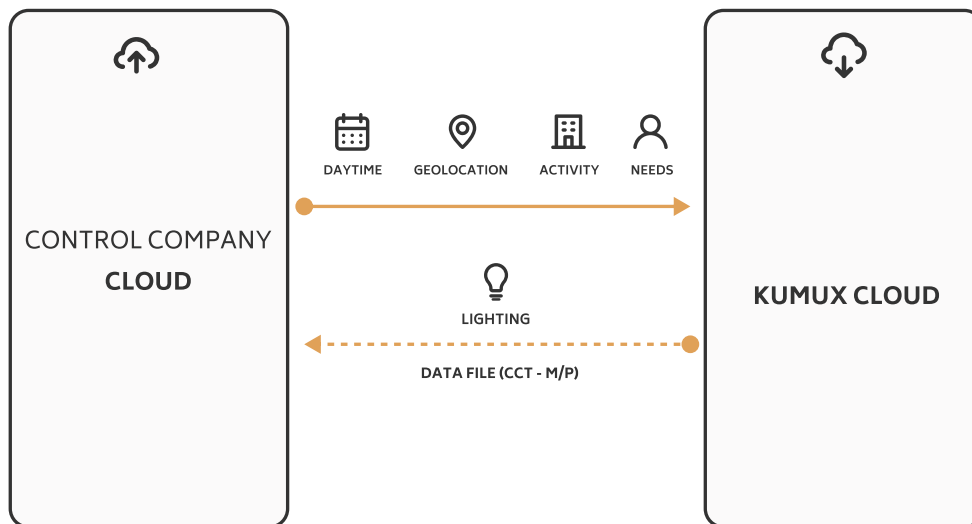
-20%
Electricity
consumption

+ 4,5%
Employees
productivity

KUMUX

KUMUX API

KUMUX API is **a cloud-based software solution** that could be integrated into **any lighting control system**.

The control system sends information about **activity, geolocation, day of the year and time of the day** to KUMUX Cloud.

It automatically sets the more suitable **light brightness and color temperature** (CCT) for that activity in a dynamic way all year long.

DAYTIME · GEOLOCATION · ACTIVITY · NEEDS

CONTROL COMPANY **CLOUD**

LIGHTING

DATA FILE (CCT - M/P)

KUMUX CLOUD

HOW IT WORKS

Tunable lights

KUMUX software can select the color temperature and brightness of the LED lamp to better suit people's needs at any moment.

KUMUX API integration

You only need to integrate KUMUX API into your control system to get all the benefits of the KUMUX Lighting solution.

Lighting control system

KUMUX software can be integrated into any lighting control system.

WHERE TO USE KUMUX

HOTELS

SCHOOLS

HOSPITALS

OFFICES

ELDERLY CARE

GYMS

CALL CENTERS

INDUSTRIAL SPACES

KUMUX