

with the
**TUNABLE WHITE
TECHNOLOGY**



**HUMAN
CENTRIC
LIGHTING**



TREEVOS

HUMAN CENTRIC LIGHTING

BOOSTS CIRCADIAN RHYTHMS IN THE HUMAN BODY.
THESE SIGNIFICANTLY AFFECT OUR HEALTH, WELL-BEING AND PRODUCTIVITY.

A circadian rhythm is a 24-hour biological rhythm that cycles between sleepiness and alertness.

It ensures the proper timing of a variety of processes in the body as well as coordinating various activities of the organs.



THE CORRELATED COLOUR TEMPERATURE (CCT) CHANGES DURING THE DAY,
AFFECTING HOW ENERGETIC HUMANS ARE.



SUNRISE

MORNING

NOON

AFTERNOON

EVENING

warm light
low intensity

white light
high intensity

cool light
high intensity

white light
high intensity

warm light
low intensity

waking up
low level
of melatonin
activity of organs
and body system

high alertness
increased
productivity

fastest reactions
best coordination

high alertness
increased
productivity

start feeling sleepy
preparing for sleep
high melatonin
production

1 MORE ENERGY

2 INCREASED IMMUNITY

3 BETTER MOOD

4 BETTER SLEEP





ELDERLY CARE



HOSPITALS AND THERAPY



INDUSTRIAL BUILDINGS



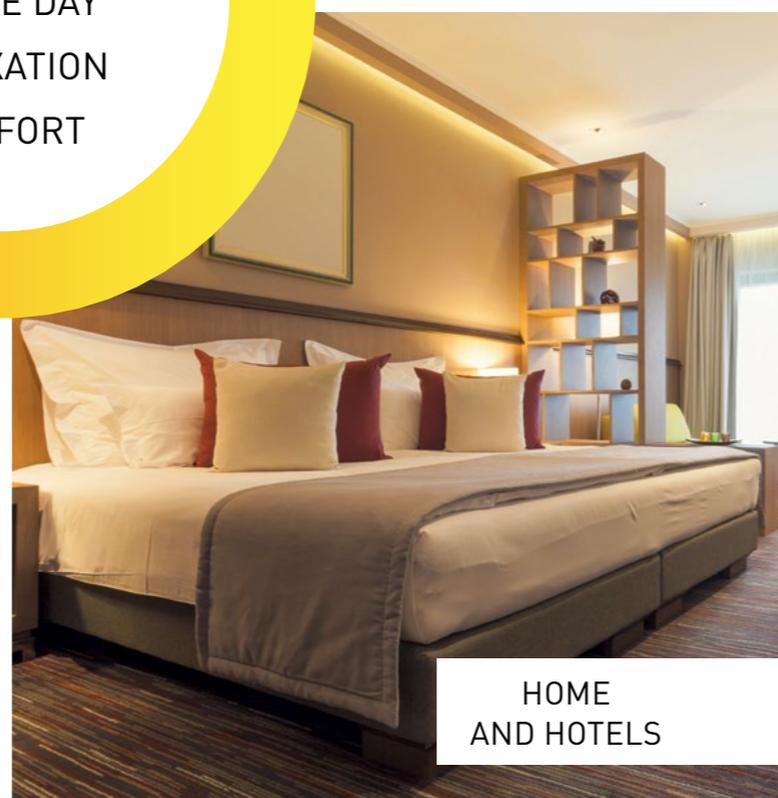
OFFICES

BETTER SLEEP
FASTER TREATMENT
ACTIVE DAY
RELAXATION
COMFORT

HIGHER
PRODUCTIVITY
ALERTNESS
RELIABILITY
THOROUGHNESS



MEETING PLACES



HOME AND HOTELS



SPORTS FACILITIES



SCHOOLS

TREVOS Light Fittings Human Centric Lighting

Lighting using HCL principles includes a module Tunable white (TW).

There is no doubt our HCL products are the best equipped fixtures currently offered by TREVOS.

Almost all TREVOS light fittings may be fitted with a TW module.

The module allows users to adjust both the correlated colour temperature (CCT) from warm to cool white (2700 K - 6500 K) and the lighting intensity (dimming).

Specifications



- Lifetime: 50 000 hours / L80B10
- In the DALI design, constant luminous flux for the whole lifetime [CLO]
- Constant luminous flux even in ambient temperature -25 °C
- It can be delivered in an emergency version



2700 K



3500 K



4500 K



6500 K



LIGHTING CONTROL HAS NEVER BEEN SO EASY

All you need to control your light fittings is a smartphone or a tablet. Just download the app to get access to a range of functions. You will be able to:

- choose the right lighting colour temperature (CCT)
- set the dimming features
- plan how each fitting works by creating light schedules
- set scenes and create groups
- easily modify the system if it is extended in the future



TO BOOST CIRCADIAN RHYTHMS



TREVOS

Masov 34
511 01 Turnov
Czech Republic

Tel.: +420 481 363 344
+420 481 363 359
Email: trevos@trevos.cz