

# WHY IS SUNLIGHT SO IMPORTANT FOR OUR HEALTH?

## Being indoors we miss the health benefits of natural light

- Sunlight has many beneficial effects on human well-being and health
- Healthy natural near-infrared (NIR) light is absent in conventional lighting and cannot pass through windows
- People demand a qualitative indoor space that supports their health

## Significant health benefits with SunLED

Healthy participants of an independent clinical study showed:

- **A lower resting heart rate meaning improved health**
- **A better mood**
- **Feeling more energetic during the day**
- **An improved immune system**

(Study results are published in *Biology* 2023, 12(1), 60)



## How does SunLED replace the benefits of the sun?

- Invisible NIR light activates cells and leads to their repair and healing
- NIR penetrates deep into our skin. This means that positive effects induced by local exposure can be transported throughout the entire body
- The unique combination of light characteristics that was clinically proven to yield health benefits is patented as SunLED technology



### The Solar Spectrum

The graph shows the full solar spectrum



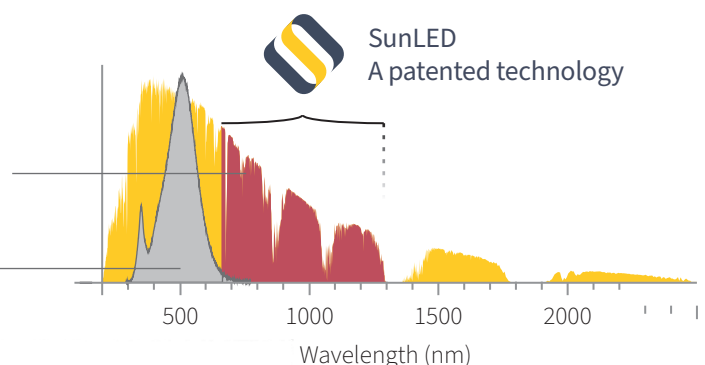
### Near-infrared (NIR)

This is the part of the solar spectrum that gives the health benefits from light



### Conventional LED light

Existing interior lighting misses out on the health benefits of the sun, as shown in the graph



## How can SunLED work for you?

We collaborate with industry leaders and specialty brands to incorporate our technology into their portfolio.

Collaborating with SunLED means:

- Multidisciplinary project team
- Customization possibilities
- Fully adaptable form factor
- Continuous R&D support