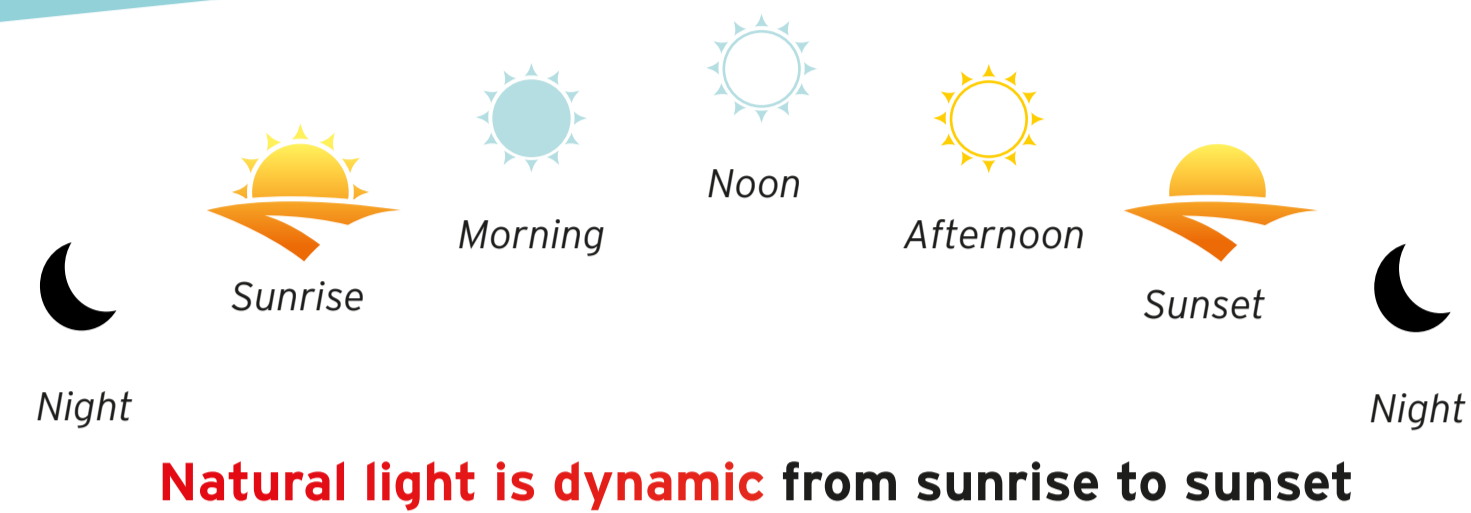


Human Centric Lighting

Supports health, well-being and performance of humans
by combining visual, biological and emotional benefits of light

There is a discrepancy between **natural and electric** light with regard to **intensity, color and dynamics of light**



On a sunny day people outside get **100 000 lux**

On a cloudy day **10 000 lux**

Indoor in offices people get **500 lux**

and in schools only **300 lux**

People spend **90%** of their time indoor

We need the **right light** for our activities at the **right place** at the **right time**

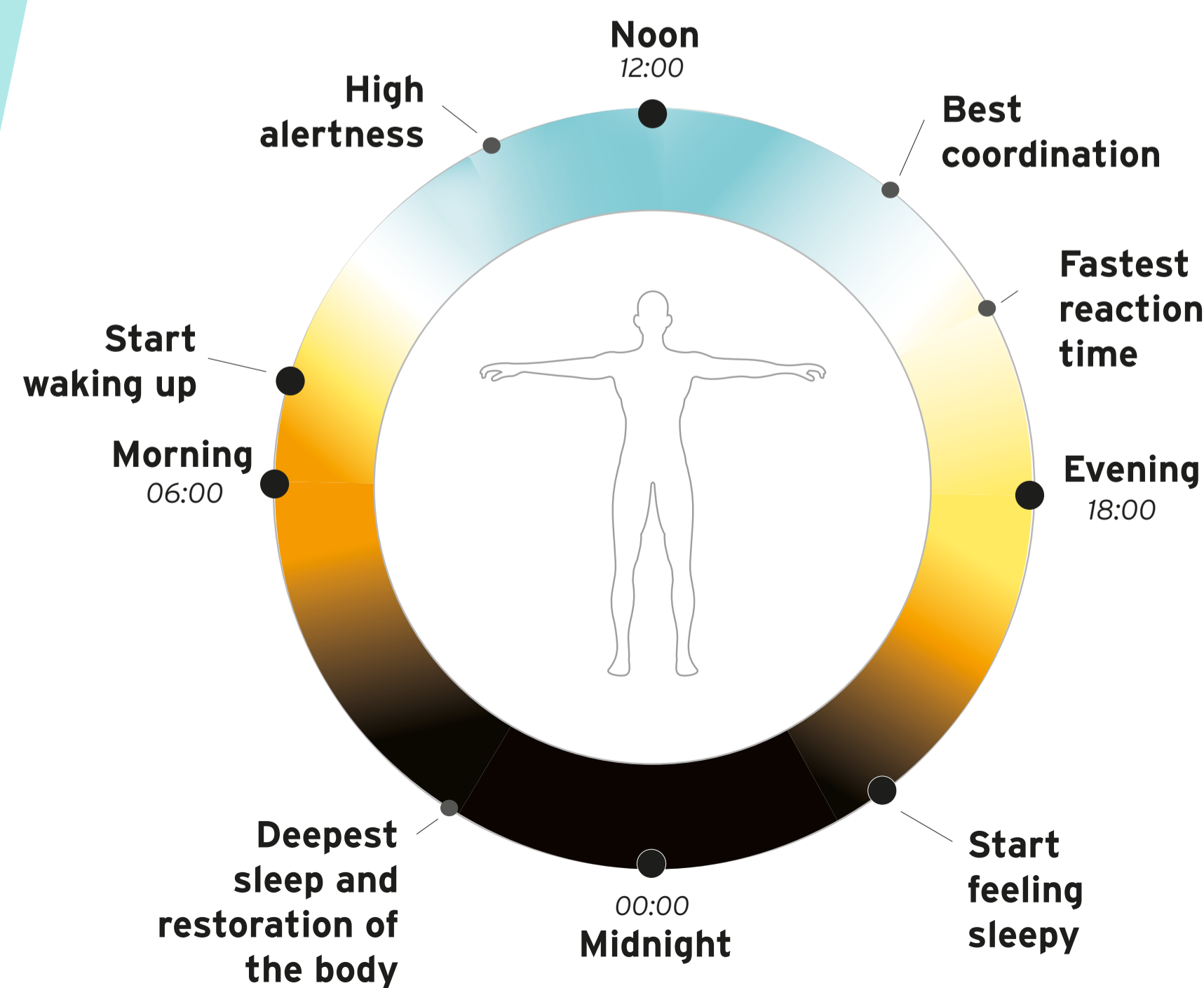


Each lighting application has its own specific needs

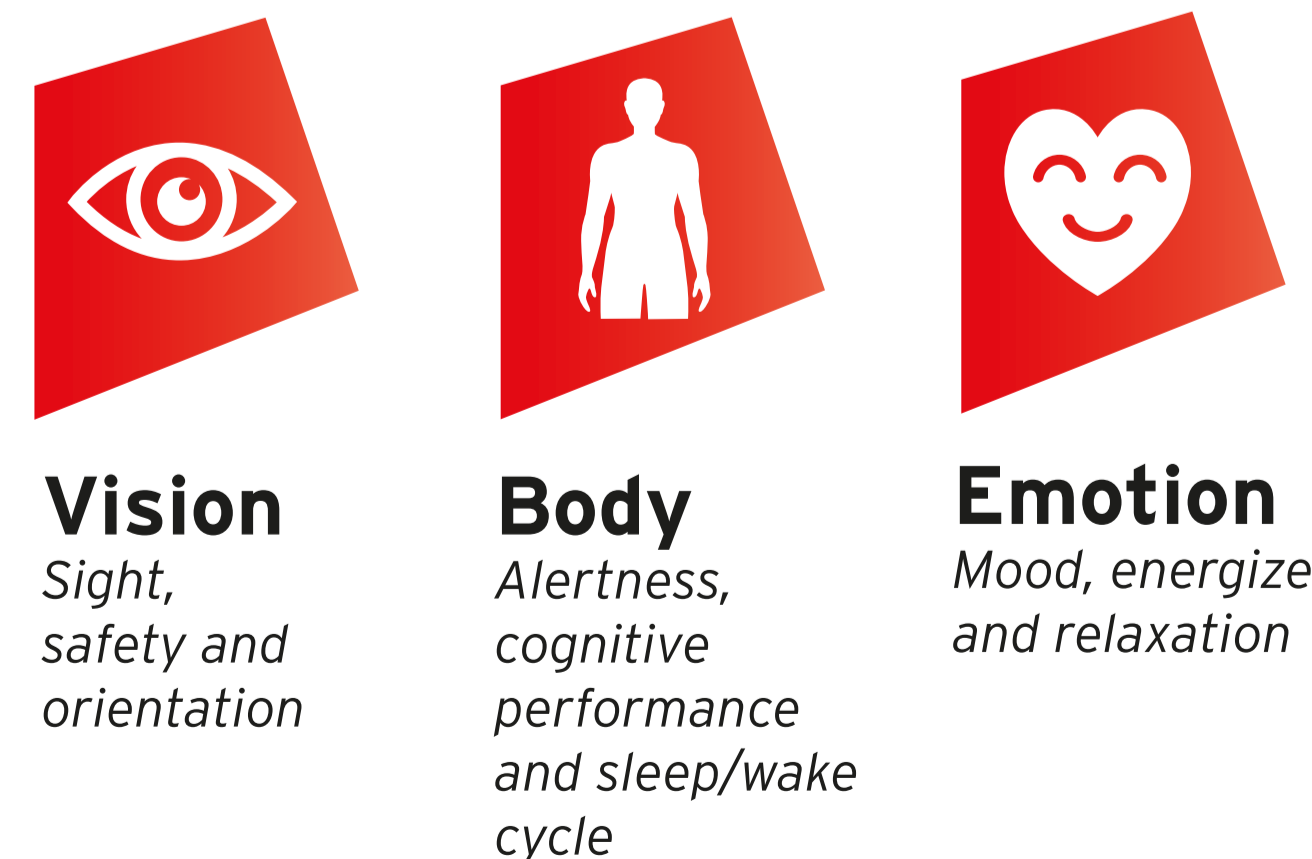


We need **light and darkness**

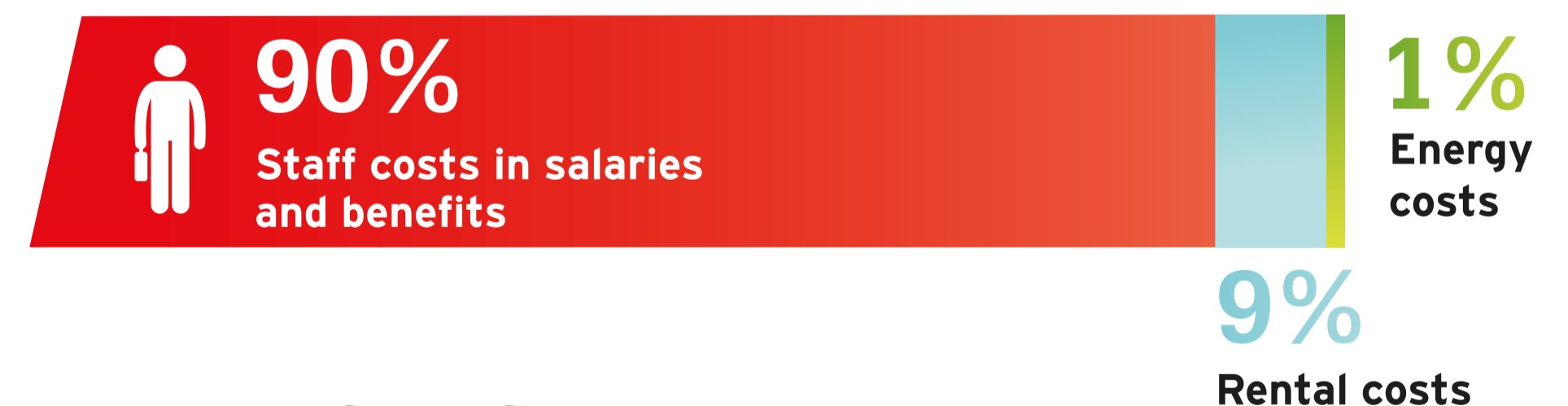
There is a period of the day when we are active and a period when we are sleeping
Light is the most important timer for our internal clock



Light has an effect on



Look beyond energy efficiency
Human Centric Lighting increases the vision, performance and well-being of people



Examples of benefits: up to



Source: Report 'Quantified Benefits of Human Centric Lighting' by LightingEurope & ZVEI, April 2015

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