





Human Centric Lighting



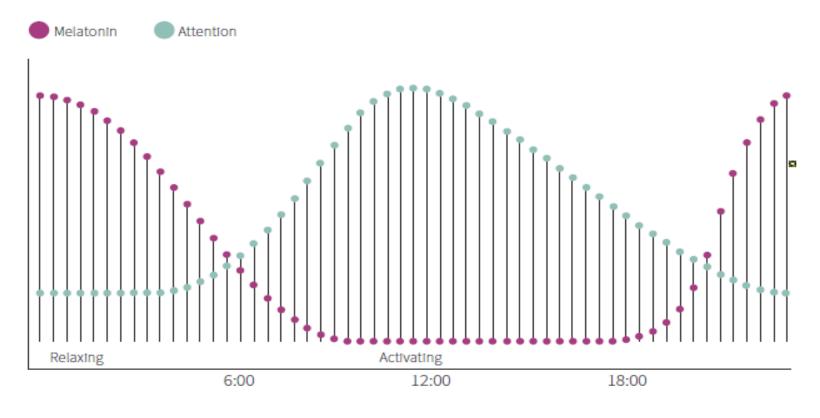


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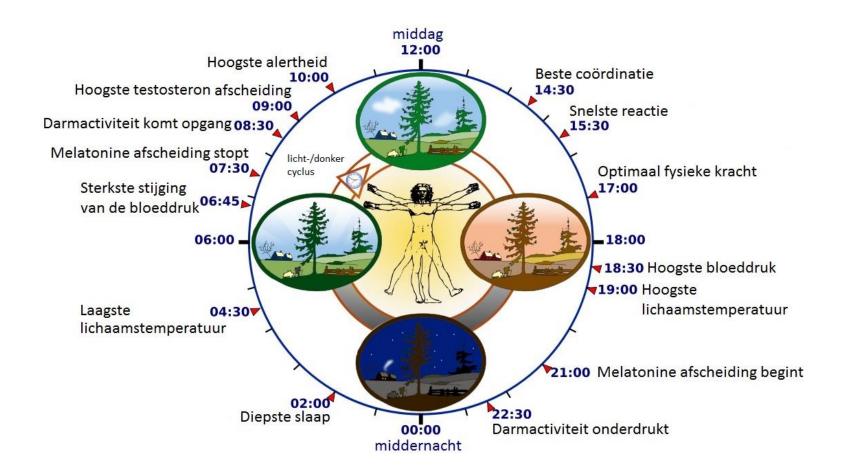


Changes in Natural Light During the Day and the Accompanying Human Production of Melatonin





People are the most important in Human Centric Lighting





Area's where Human Centric Lighting could be applied

Office

Education

Industry









HCL: a buzzword or is it becoming a real trend in Lighting?

Research

Enables new disruptive business models

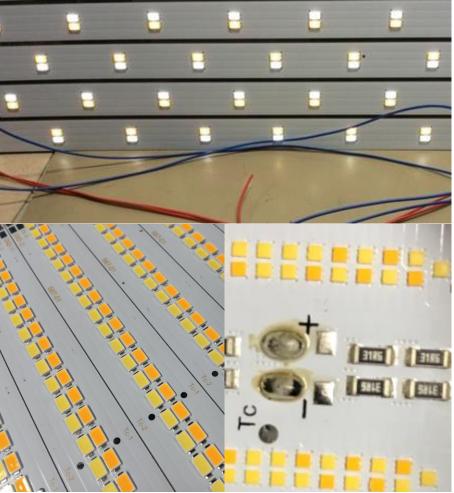
Creates added value to fixture manufacturers



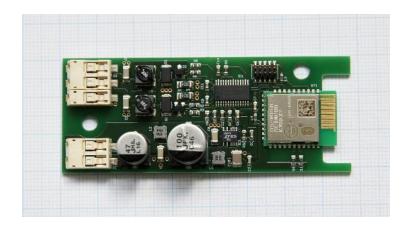


Key parts

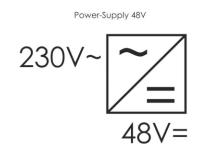




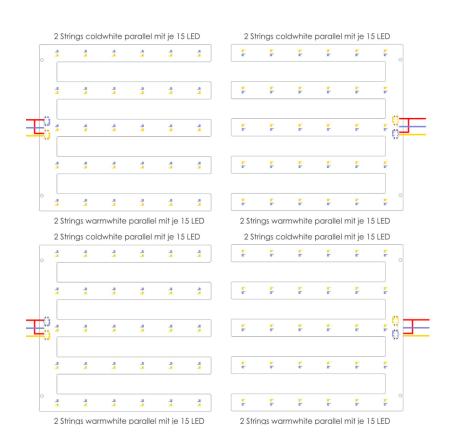








App running on SmartPhone



Finger-type modules populated with 5630 LEDs





Questions?

