

## SRM#LIGHTING HCL 48V – Finger board

SRM Mikroelektronik GmbH  
Colditzstr. 33  
12099 Berlin

[www.srm-mikroelektronik.de](http://www.srm-mikroelektronik.de)

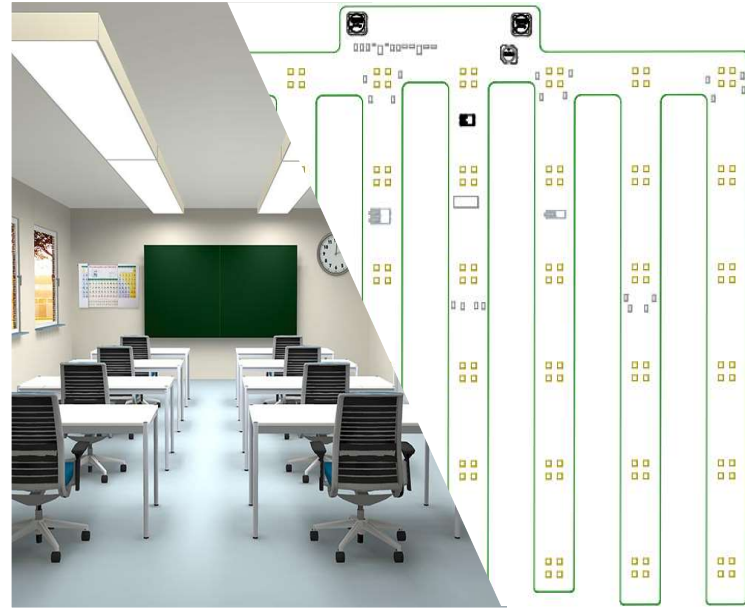
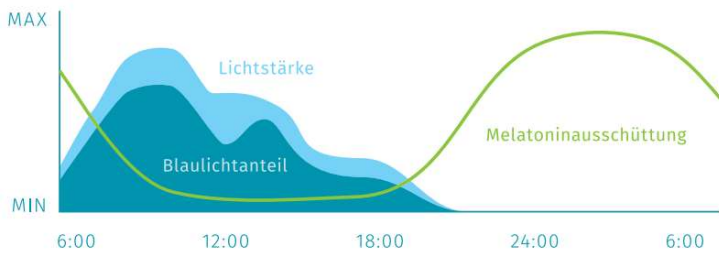
We are increasingly spending our lives indoors with artificial light, while the natural day-night rhythm continues outside.

This natural sequence of colour temperatures and illumination levels throughout the seasons has a significant influence on our well-being.

It is therefore becoming increasingly important to make indoor lighting as

natural as possible in order to maintain concentration and health.

This is why HCL (Human Centric Lighting) is used in schools and offices. Manually controlled or fully automated, it is able to adapt the lighting mood in the room to the natural conditions depending on the time of day and season as well as having a positive biological effect.



Our HCL **48V finger board** is the ideal and flexible solution for installing centrally controlled stretch ceilings with HCL backlighting in offices, schools and educational

establishments. It is just as suitable for planning and implementing refurbishment projects as it is for new-build projects.



### FIELD OF APPLICATION

- Surface lighting with backlit stretch ceilings
- Schools, educational institutions and office buildings
- Glare-free, homogeneous illumination
- Simple installation (also for refurbishments)
- Low power consumption
- Ideal solution for 500mm x 600mm grid ceilings
- HCL variant for optimum concentration
- RGBW variants for art projects and multifunctional rooms
- Special light colours on request

A joint R&D project with our partner **PSDM** for the AAL3000 HCL acoustic absorber luminaire and use with backlit stretch ceilings

<https://psdm-gmbh.com/project/die-akustikabsorberleuchte-aal3000-hclr/0>



### TECHNICAL DATA

- 48V DC module with 4 channels
- rgbw- or HCL module with integrated driver
- Cascadable master/slave system
- Integrated control via DALI/RS485/0-10V
- 60 light points with 4 LEDs each
- Dimensions: 503mm x 326mm

### VORTEILE

- Low installation height
- Only 50mm distance between LED and ceiling foil required
- Long supply lines with central 48V DC power supply unit
- No additional heat generation due to individual power supply units in the ceiling

### SRM#OEM:

We assemble the 550mm x 520mm panels quickly and flexibly according to your individual requirements directly at our premises in Berlin.