



aranet  
by SAF Tehnika

# Aranet Light Spectrum Sensor



Aranet Light Spectrum Sensor gives you powerful insight into the light your crops receive across the full growing spectrum. The sensor captures light in the 350–950 nm range, reporting real-time data across five key color channels:

Blue: 400-500 nm

Green: 500-600 nm

Red: 600-700 nm

Far-red: 700-800 nm

Near-infrared: 800-900 nm

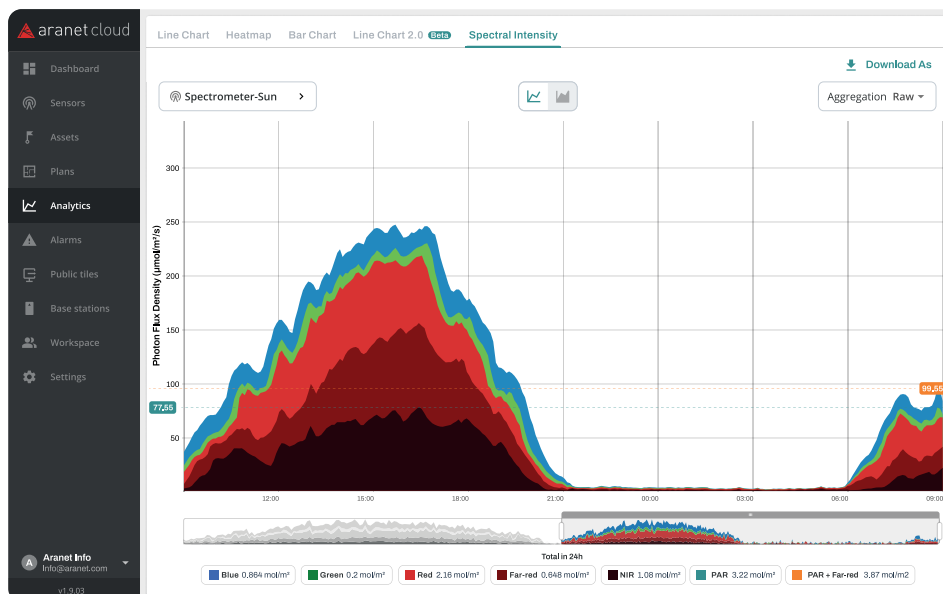
**Use sensor data to calculate:**

Photosynthetically  
Active Radiation (PAR)

PAR + Far-red

Daily Light Integral (DLI)  
for each color channel

Built for greenhouse environments, the sensor enables data-driven control of artificial lighting - adjusting LED intensity and spectrum based on sunlight, optimizing energy use, and supporting healthy crop growth.



*Sensor data is processed in Aranet Cloud, where it can be analyzed or integrated with platforms like MyLedgnd. A dedicated Cloud Light Spectrum license is required for each deployed sensor!*

Sensor is wireless and part of Aranet Pro series ecosystem with battery life up to several years!



aranet  
by SAF Tehnika

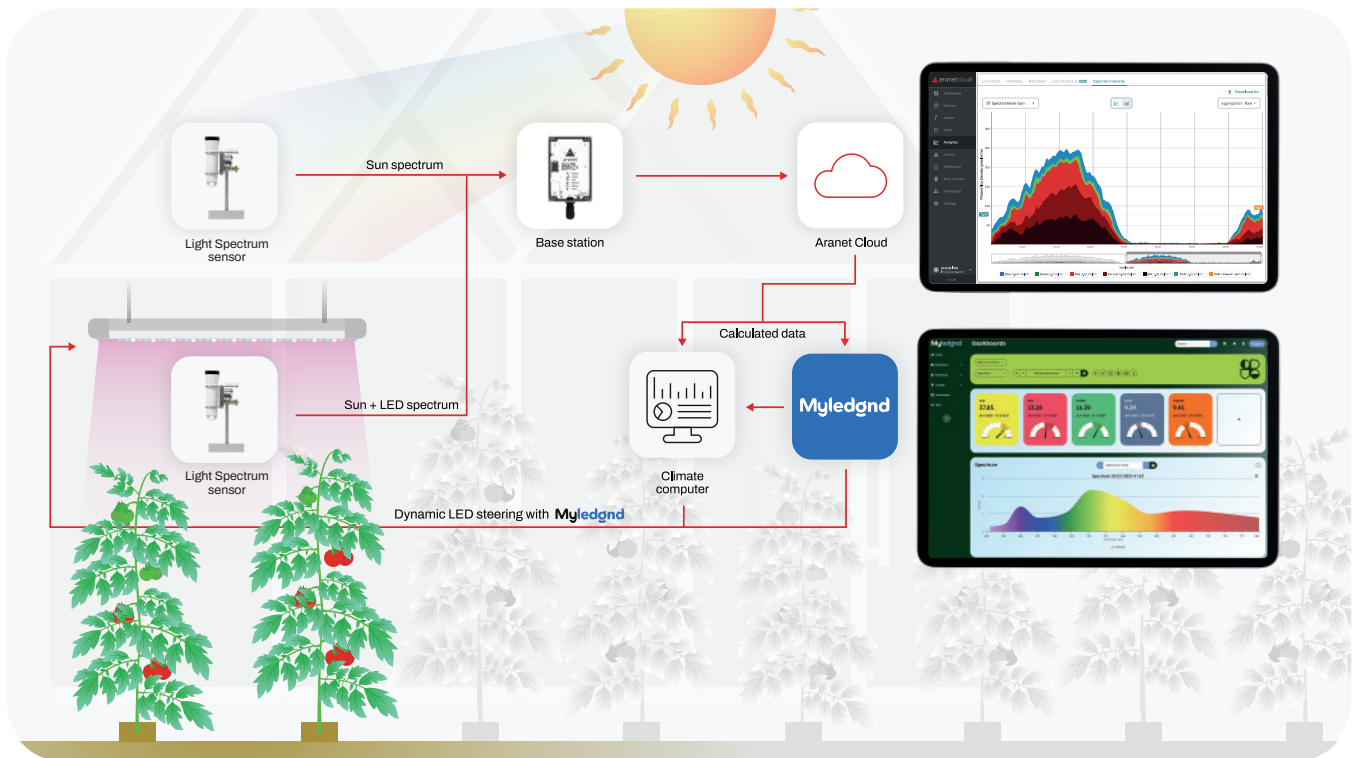


Myledgnd

# Together, we're raising the standard

for light analysis in greenhouse cultivation.

Through integration with the MyLedgnd platform, the solution closes the loop in artificial lighting control—measuring natural and artificial light, analyzing data, and enabling climate computers to adjust lighting based on plant needs.



What to expect from the integration in **Myledgnd**:

**Full-spectrum visibility**  
know exactly what light  
your crops receive

**Crop light recipe**  
adjust light composition  
to match plant needs

**Energy efficiency**  
reduce excess light and  
lower energy costs

**Crop health**  
identify and prevent  
light-related stress

**System longevity**  
extend the lifespan of  
your lighting setup

**Smart insights**  
combine spectral data with  
climate and plant feedback



Designed and manufactured by SAF Tehnika.

For more detailed information about Aranet products, please visit [aranet.com](http://aranet.com), contact your Aranet representative, or write to [info@aranet.com](mailto:info@aranet.com). Product specifications are subject to change without prior notice. © SAF Tehnika, JSC. All rights reserved.

Scan for  
digital  
version

