



Lightening of tomato seedlings with the UmolaHorti LED light spectrum

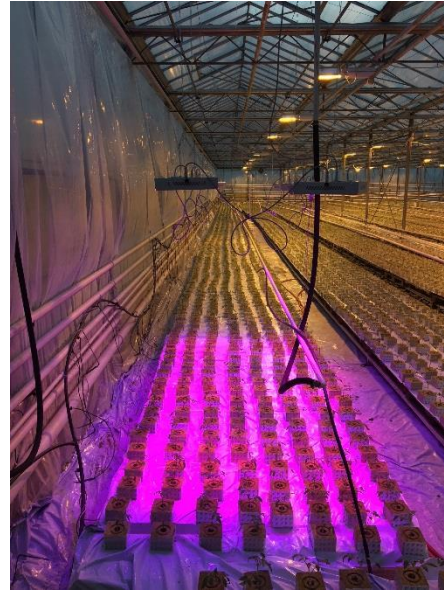
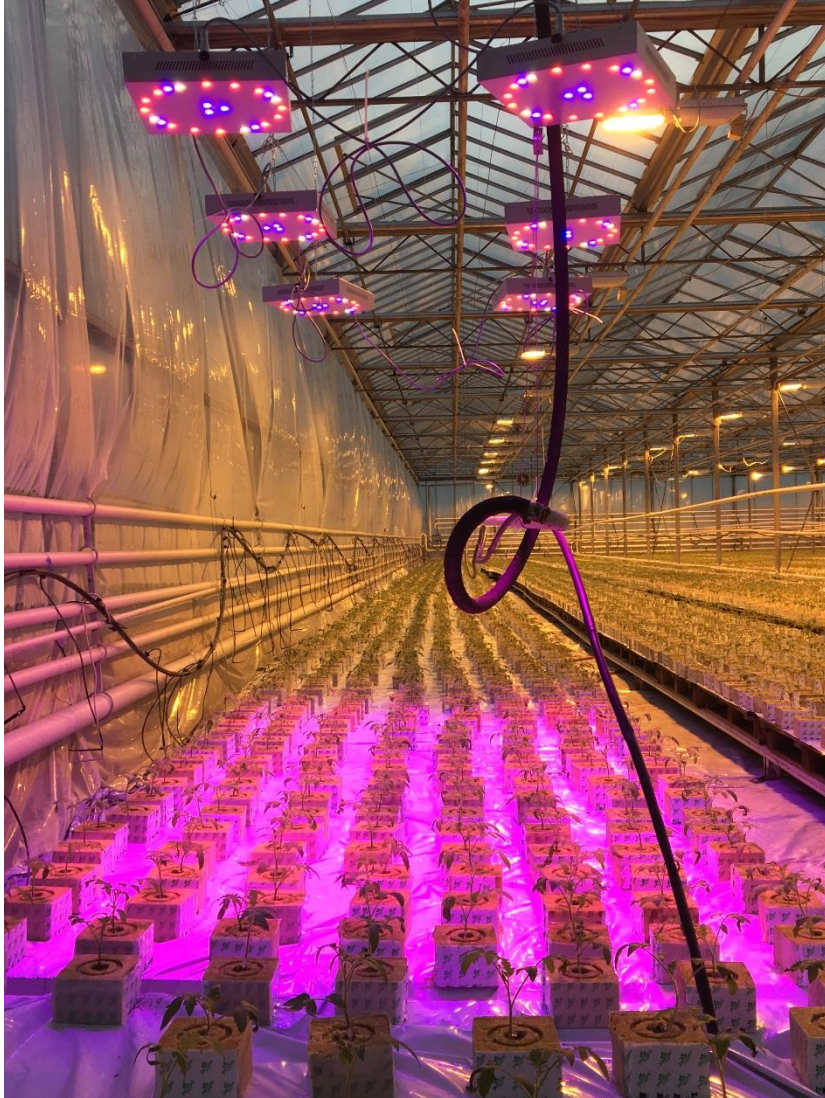


Lightening of tomato seedlings 2017



- At the end of 2017 (XI-XII), a spectrum of light dedicated to the lighting of tomato seedlings was installed and tested in one of the Polish greenhouses in the Kalisz area.
- The surface of the lighting was about 10 m² and was covered with a light density of 140-160 $\mu\text{mol m}^2 / \text{s}$
- A dedicated light spectrum has been installed in a temporary housing for testing only. It is now installed in a linear profile.

Lightening of tomato seedlings 2017



15.11.2017 – project initiation

- The control crop was carried out using dedicated LED spectral light with respect to HPS lamps (High Pressure Sodium)
- The spectrum of light was developed to accelerate the growth and intensify rooting of the plant.



Lightening of tomato seedlings 2017

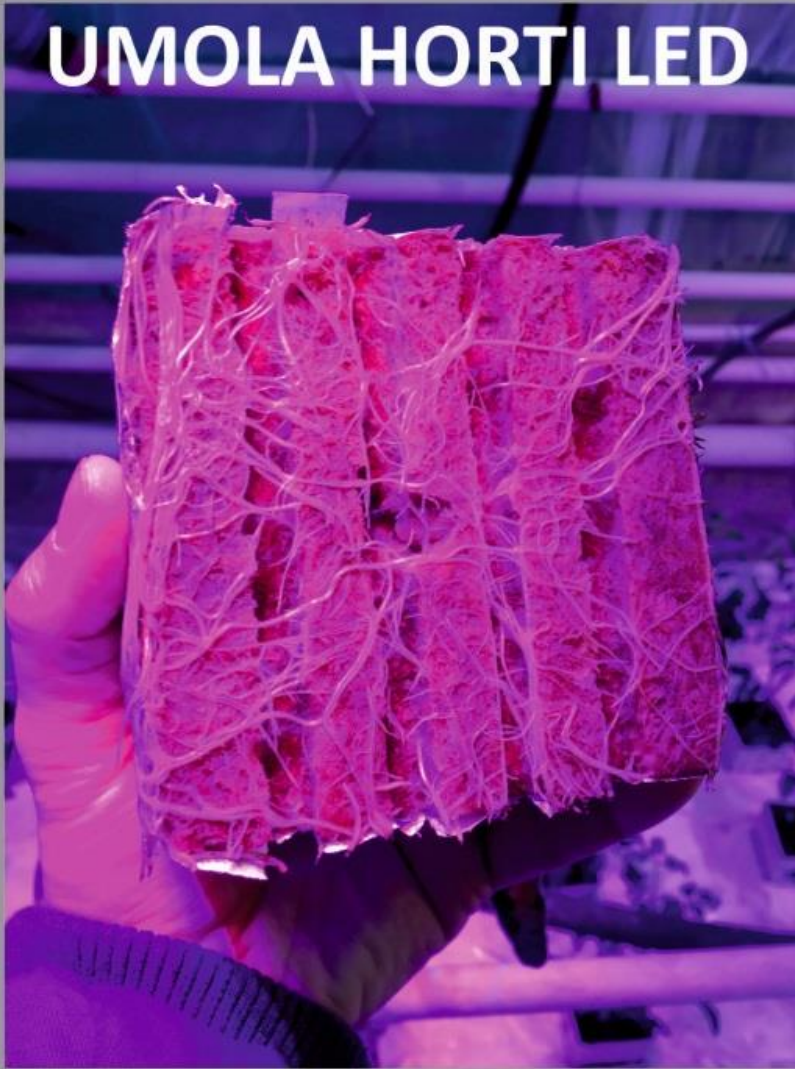


28.11.2017 – effects after 2 weeks

- Intense green color of leaves;
- Significant increase in leaves mass;
- Larger stem diameter.



Lightening of tomato seedlings 2017



Lightening of tomato seedlings 2017



06.12.2017 – 1 month effect

- Visible first clusters (fruit flowers)
- Significantly developed plant (approx 10 days advance effect in compare to plants under HPS)



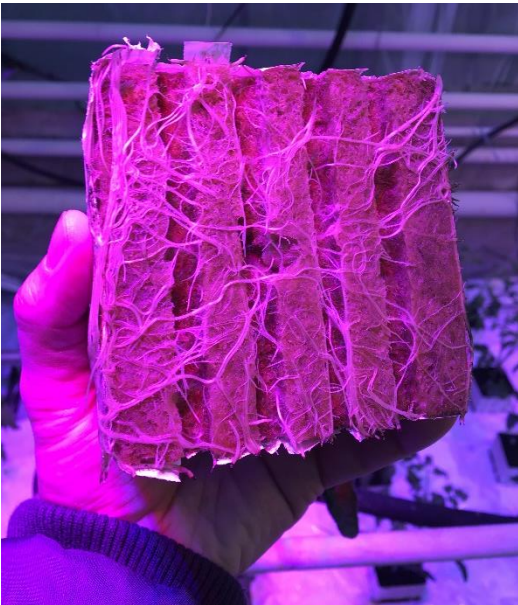
Lightening of tomato seedlings 2017

EFFECTS OF LIGHTENING OF TOMATO SEEDLINGS WITH UMOLA HORTI LED LIGHT



➤ **INTENSIVE GREEN COLOR**

➤ **BIGGER AND STRONGER PLANT**



➤ **VISIBLE ROOTING**

➤ **FRUIT CLUSTERS!**





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