The success of crop cultivation in protected ground depends critically on a number of factors. One of these factors is light, namely photon flux. There is no one single recipe for all crops. An important role in power calculations of assimilation lighting system belongs to geographical location and construction features of the greenhouse. Every single project needs an individually tailored solution.

We know this and therefore we build cooperation with our Customer as follows:



CONTINUOUS PROJECT SUPPORT BY OUR OWN AGRONOMIC SERVICE TEAM

- 1. Targeting. Target detection and diagnostics
- 2. Designing of assimilation lighting system with set targets in view
- 3. Preparation of feasibility study for the project implementation
- 4. Contracting and supply maintenance
- 5. Correction of agricultural practices considering the system implementation



FAROS LED LUMINAIRES

- ENERGY SAVING 50% _____
- CROP YIELD INCREASE 10 to 30% _____
- NO SPECIAL DISPOSAL PROCEDURE OR LAMP REPLACEMENT REQUIRED _____
- 5-YEAR WARRANTY



WE KNOW WHAT YOUR PLANTS NEED

The future belongs to modern technologies!

Tailoring of greenhouse horticulture cultivation process with assimilation lighting enables gualitative impact on crop yield. Using LED luminaires in assimilation lighting systems ensures energy saving.

We offer development of tailored assimilation lighting systems for every individual project.

We guarantee decrease in power consumption and increase in crop yield of major economy crops grown under cover with the very first crop rotation after the system implementation.



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Power, W	PAR, µmol/s	Efficacy, µmol/W	Length, mm	Net weight, kg	Installation type
100	240-300	2,4-3,0	2494	2,1	interlighting

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PAR, µmol/s

520-600

Power, W













Application example of toplighting

Efficacy, µmol/W	Length, mm	Net weight, kg	Installation type
2,6-3,0	1254	3,0	toplighting





LUMINOUS INTENSITY DISTRIBUTION CURVES





