

The traditional company with a pioneering spirit.

The family business "Ideengärtnerei Müller" has specialized in the sustainable production of ornamental plants, vegetable seedlings, herbs and medicinal plants. The certified organic farm benefits from the experience of the last three generations, but also from the openness to new technologies. The Ideas Gardener Müller is one of the pioneers in the field of LED-based plant lighting. In close cooperation with SANSOL, lighting solutions have been used very successfully and in a variety of forms in production for several years. "The focused use of light measurably strengthens the plants and fights pest infestation in a completely natural way," states Georg Müller. Through the successful use of modern LED technology, Georg Müller quickly became aware of how great the influence of high-quality light is on plants. In addition to climatic conditions and nutrients, the light factor is an essential criterion for healthy plant development and for a significant increase in quality and yield.

Replacing the traditional assimilation lighting with the carefully planned LED lighting solution when cultivating the Thunbergia mother plants resulted in:

- Reduction of energy expenditure by 40% with higher light values in the culture.
- optimized homogeneous illumination
- Increase in cutting yield and quality with lower operating costs.
- Easier cultivation work and problem-free visual control, since the natural coloring of the plants is not distorted.
- Early detection of health status and pest pressure.

In the rooting phase, LED lighting shows clear advantages over traditional light sources:

- shorter rooting times
- Increase in profitability through reduced failure rate
- more robust and compact cuttings.
- space-saving rooting in multi-level systems (with the compact SANSOL FLEX series)

The coordinated light composition of the LED light increases the yield in ornamental plant production:

- More uniform and more pronounced flowering in the culture
- Flowering can be accelerated promotes natural colouration
- Competitive advantage without sacrificing quality and with an attractive margin

Light also pays off at the front of the end customer's display:

- Colors convince in their natural splendor and intensity
- optimized for plant development
- light color that is pleasant for the human eye
- Increased downtimes in the sales area

Professional light also benefits beneficial insects:

- Increased effectiveness / activity of beneficial insects through low temperature input and broad spectrum
- extended service life of beneficial insects
- Stress reduction through the elimination of infrared radiation and a balanced composition of light.



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