LIGHTING SYSTEM FOR GROWING VEGETABLES IN A CONTROLLED ENVIRONMENT WITHOUT SUNSHINE

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Supporting the development of bio-based economy partnerships in the Danube Region through a triple-helix approach
Suitable building with a roof installed photovoltaic plant

The photovoltaic plant can be mounted on the roof or on the ground
Inside view of a hydroponic system for growing vegetables

Note the color of the light
Another way for hydroponic cultivation of plants

Thereby saves space
Our greenhouse lighting

Greenhouse luminaire GTL 800 – 800W
Spectrum

Spectrum of light emitted from the luminaire
Our greenhouse lighting

A laboratory test
Our greenhouse lighting

GTL 200 – 200W

GTL 400 – 400W
Working scheme of the greenhouse

1. Network 230V
2. Driver
3. Measuring block
4. Control block
5. Luminaire
6. Photovoltaic plant
7. Managing controller
8. Timer
Exhibition in Viena

During 2015 in Viena we took part in an exhibition of lighting for greenhouses.
Thank you for your attention!

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