

MD.6.

Title	Lighting in greenhouses, with modification of flux intensity and spectrum
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Patent no.	Pending patent
Description EN	Description: The system consists of optical modules with light-emitting diodes with different wavelengths of the light emitted and the programmable electronic control unit based on a microcontroller. The system allows changing the intensity and spectral composition of light in the greenhouse, depending on external factors and the optimum conditions for plant growth. Using the electronic control block microcontroller extends the functionality of the system: selection of operating mode

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and a reflection of the operating parameters on the screen; memory for 10 programmable modes, depending on the individual characteristics of plants; the possibility of synchronizing lighting system in the greenhouse with day period; control of the power unit lighting modules and their operation mode.

Applications: Energetics.

Class no.

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