

climalux



Full-LED grow light systems

Optimal growth and kind to the environment.



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Climalux focuses entirely on the development and production of high-quality full-LED grow light systems for vegetable and ornamental crops based on Plant Empowerment, in which energy-efficient cultivation and optimal production are central. The development and production of the patented system takes place in the Netherlands.



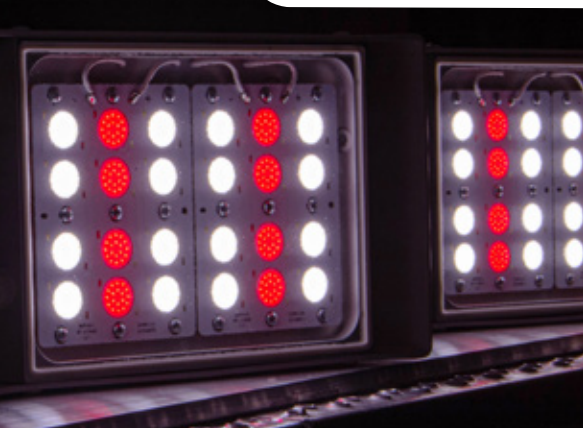
CLX V1000 full led grow light

The CLX V1000 full-LED grow light is composed of a dimmable led lighting unit and a vertical ventilation system. Heat and moisture are evenly distributed in the greenhouse. The grow light uses full spectrum light, which accurately simulates daylight. In addition, it is possible to separately control the light intensity and air circulation at each location in the greenhouse. By combining all these features, the CLX V1000 creates an optimal and stable microclimate around each plant, anywhere in the greenhouse.

Control the light intensity and air circulation separately for each location in the greenhouse.

Horticultural Control Unit

The Horticulture Control Unit is the heart of the Climalux full-LED grow light system. The module provides a connection between the horticultural computer and the grow light system. It allows the user to quickly adjust the lights and fans to any desired level and to anticipate weather conditions. Multiple group layouts can be made, with their own light intensity and air circulation. In this way it is possible to realize an even light level and an even greenhouse climate throughout the entire greenhouse, also along the gables.



PLANT EMPOWERMENT

Energy-efficient cultivation and optimal production are the starting points of Plant Empowerment. Based on this vision, Climalux has developed the CLX V1000 full-LED grow light, but the environment and healthy working conditions also have full attention in the further development of the full-LED grow light system.



Optimal production

The Climalux full-LED grow light system leads to higher production and a better, stronger and more stable crop in all parts of the greenhouse, due to the even distribution of heat and moisture through the vertical ventilation system, in combination with the dimmable light fixture. In addition, the grow lights offer a higher crop yield through the use of full spectrum light, which simulates daylight.

Energy savings

The application of the Climalux full-LED grow light system results in significant savings on electricity and gas, up to 35%. The heat from the lamp is used optimally and the application of the unique vertical ventilation system creates a stable climate in a closed environment around each plant. This significantly reduces the need for heating or cooling.

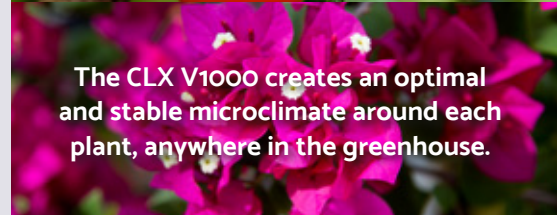
Environmentally friendly

The vertical airflow repels diseases and fungi, minimizing the use of pesticides. Due to the combination of saving on pesticides and fossil raw materials, higher production and an almost complete exclusion of the use of inhibitors, the CO₂ footprint per product drops considerably.

Safe working conditions

Unfavorable lighting conditions can cause fatigue and health problems. It affects the well-being of the employees in the greenhouse and can lead to unsafe situations. By using full spectrum lighting, daylight is simulated and employees can continue to work unhindered under the lamps. Even for longer periods, without harmful consequences for their health.

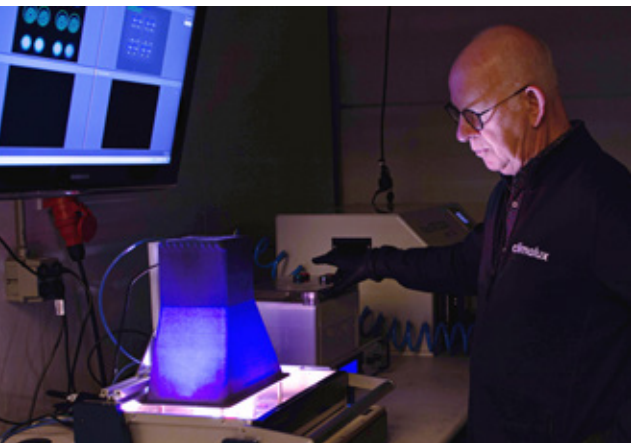
- Better and stronger crop.
- Even quality of cultivation.
- Higher crop yield.
- Less pesticides.
- Less inhibitors.
- Lower CO₂ load.
- Lower production costs.
- No health risk.



The CLX V1000 creates an optimal and stable microclimate around each plant, anywhere in the greenhouse.



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Made in Holland

The patented full-led grow light system from Climalux was developed in the Netherlands and is also produced in the Netherlands. As a result, developments from the market or specific requirements of the client can be responded to quickly and Climalux has full control over production and production times.

Do you have any questions about the Climalux full-led grow light system? Then please contact us.

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