



PHILIPS

Horticulture
LED Solutions

GrowWise Control System



Custom light recipes for full flexibility and control

Get full flexibility and control over your lighting to improve your crop quality, productivity and operational efficiency with Philips GrowWise Control System. It allows you to easily create and run custom light recipes on dimmable and color controllable modules. This system can be seamlessly connected to your climate control or greenhouse management system to simplify operation. It is designed for a vertical farm, greenhouse or research facility to optimize your yield.

The right light, at the right time, in the right place

Different plants have different lighting needs. The Philips GrowWise Control System enables you to create your own light recipes; when do you start lighting your crop, for how long, with what colors and how many micromoles per square meter, to fit your specific needs. With your custom light recipe you can mix a variety of colors (deep red, blue, green and far red) to steer specific plant characteristics, such as compactness, color intensity, branch development and flowering. This can deliver better crop yield and quality and more predictable results.

Key benefits

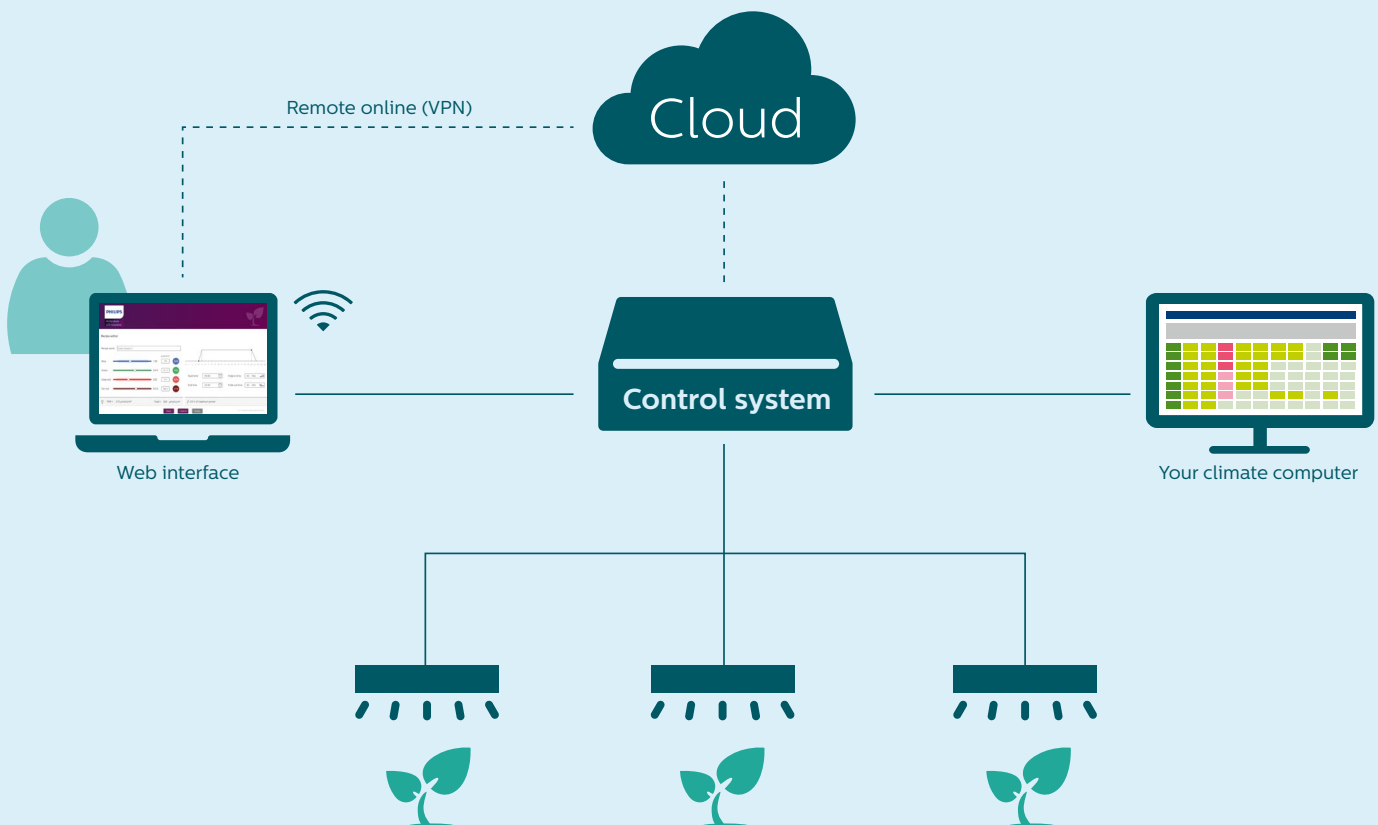
- **Different lighting per growth phase**
- **Steer on quality;** shelf life, bio mass, vitamin level or plant color
- **Easily switch to new crops** without installing new lights
- **Predictable production year-round**

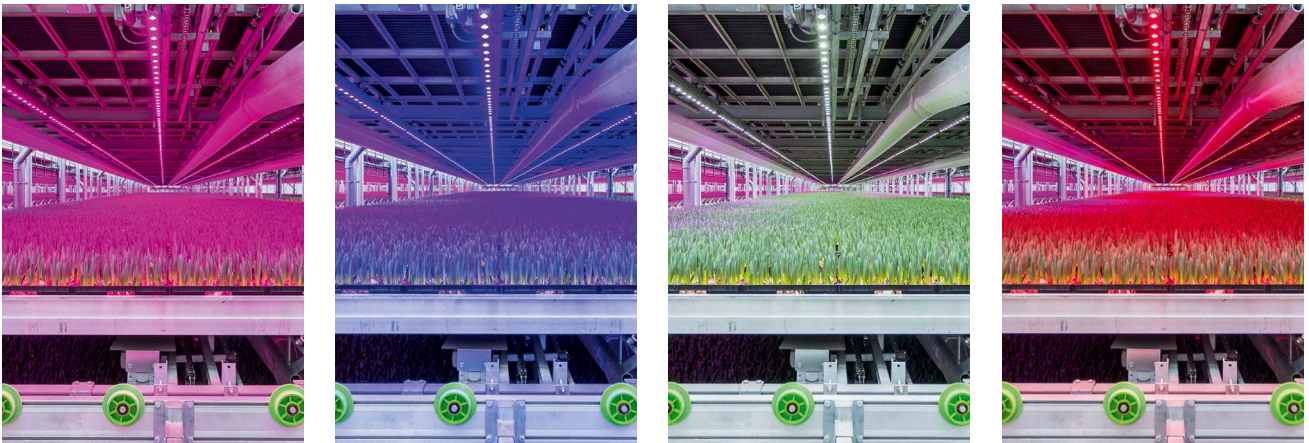
Full flexibility

It's easy to create a new light recipe or adapt an existing light recipe in the GrowWise Control System. Your light recipes can be programmed to run at specific intervals on a 24 hour clock. You can easily access the GrowWise Control System via your PC, tablet or smartphone. For added flexibility, a light recipe can be set up to run on multiple light zones and groups in a facility, such as a layer or part of a layer in a vertical farm.

The GrowWise Control System has been specifically developed to enhance efficiency and flexibility for growers. For instance, it can give (vertical) farmers more control over their light recipes and how they apply them over time – even when adding new crops. This system is also an efficient choice for research facilities who want to deepen their knowledge about the impact that light and light recipes have on crop growth.

How does the **GrowWise Control System** work?





The right light, at the right time, in the right place

Services & Support



Getting it right from the start

It all starts with a detailed intake assessment to define the correct system set-up for your project. Our specialists look at the functionality and flexibility needed for your specific layout and technical infrastructure. Based on this input, they propose the optimal configuration for your individual light plan to help you achieve your goals. Once installed, we train you on how to use all aspects of the system.



System that evolves with you

The GrowWise Control System is scalable and modular, so it can be expanded over time as your facility grows.



Remote support

No need to wait for an engineer to come to your site for maintenance. You can quickly contact our service experts for service or assistance.



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