

# PHILIPS

Horticulture LED

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. Via the Modbus TCP/IP interface, the GrowWise Control System can be integrated to your climate control or greenhouse management system to simplify operation. It is designed for vertical farms, greenhouses and research facilities 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 and how many micromoles per square meter, to fit your specific needs. Color Controllable Modules also allow for mixing a variety of colors (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

- Fully schedule your crop growth cycle from seed to harvest
- Different lighting per growth phase
- Steer on quality; e.g., shelf life, bio mass, vitamin level or plant color
- Easily adapt light for new crops without installing new lights
- Predictable production year-round

# Full flexibility at your fingertips

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 over different phases up to one year. 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 or a separate section in a greenhouse.

The GrowWise Control System has been specifically developed to enhance efficiency and flexibility for growers. With its multi-language interface it can be used around the globe. Giving (vertical) growers 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.

## 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

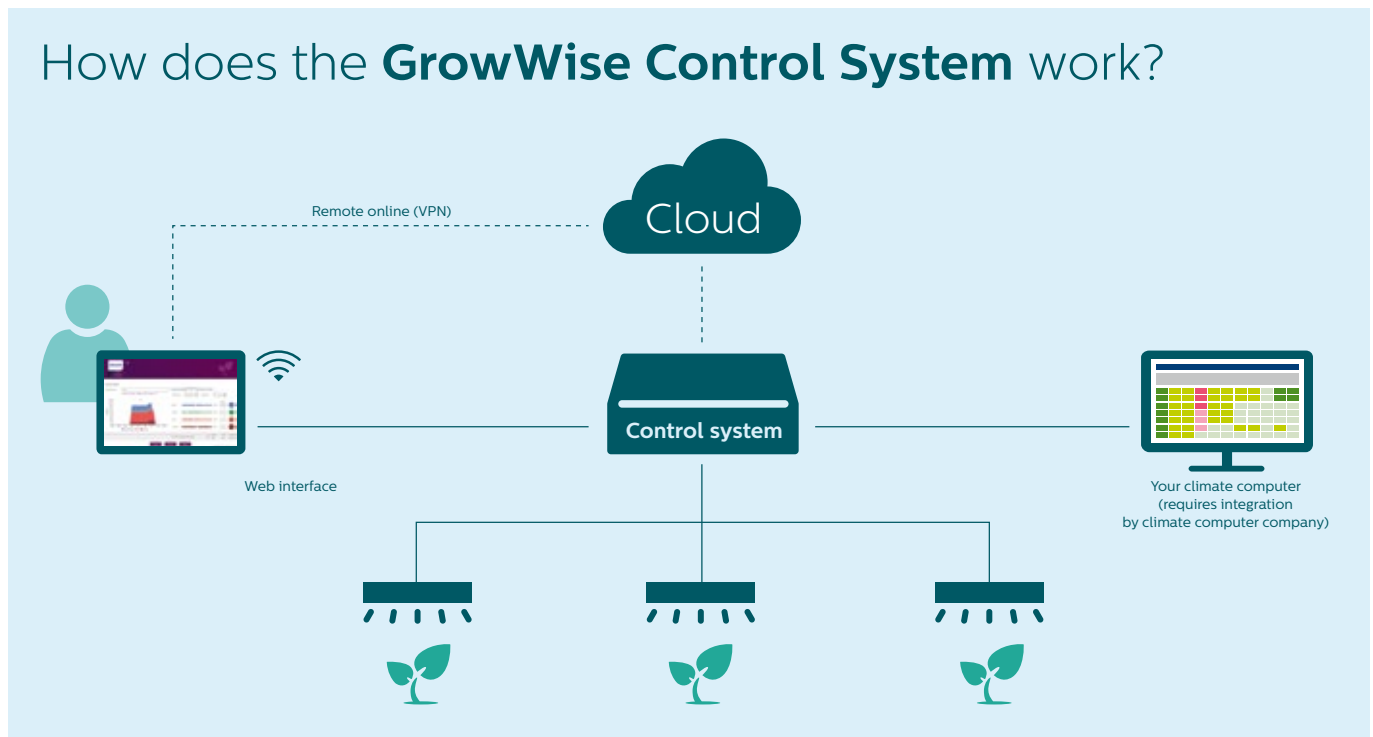
The GrowWise Control System is scalable and modular, so it can be expanded over time as your facility grows.



### Remote support

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

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



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