



PHILIPS

Horticulture LED Solutions

GrowWise
Control System

Precise lighting control system and full flexibility

Get full control over your lighting with the Philips GrowWise Control System. This system allows you to optimize your business results and improve your crop quality by creating custom light recipes on a μmol level. The GrowWise Control System can be seamlessly integrated into your climate control system for dynamic lighting control and energy management. Grow with precision by utilizing intelligent lighting recipes that match your crops' needs. This system is designed for vertical farms, greenhouses, and research facilities and is available with wired and wireless connectivity.

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 μmoles 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

- Flexible light recipes for specific crops and growth phases
- Precise color control and dimming for optimal energy saving and crop quality
- Seamless integration with climate computer
- Wireless and wired control option without additional cables

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.

Wireless or wired control

You can enjoy the convenience and flexibility of both wired and wireless control options, without the need for additional cables and simplifying installation. Making it easy to manage your greenhouse or vertical farm. With the GrowWise Control System, you can choose the control option that best suits your needs and ensure that your greenhouse or vertical farm is equipped for the future.

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, whether it is wireless or wired. 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 functionalities 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.

Choose your GrowWise Control System



Horticulture Lighting Protocol (HLP)

Stand alone or via



Your climate computer system



Wired communication



Lower maintenance costs
Easy luminaire replacement without commissioning



Reliable operation
Proven system in many projects worldwide



Future proof
Expandable with wireless system



Wireless communication



Lower installation cost



Flexible
Create multiple control areas



Future proof
Ready for future extension to bidirectional communication for feedback



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