



NEW HORTILED® TOP ANTARES SERIE

*Flexible, future-oriented grow light systems that continue
to meet your objectives*



HORTILUX

SCHRÉDER

YOUR **GROW LIGHT KNOWLEDGE** PARTNER

NEW HORTILED® TOP ANTARES SERIE

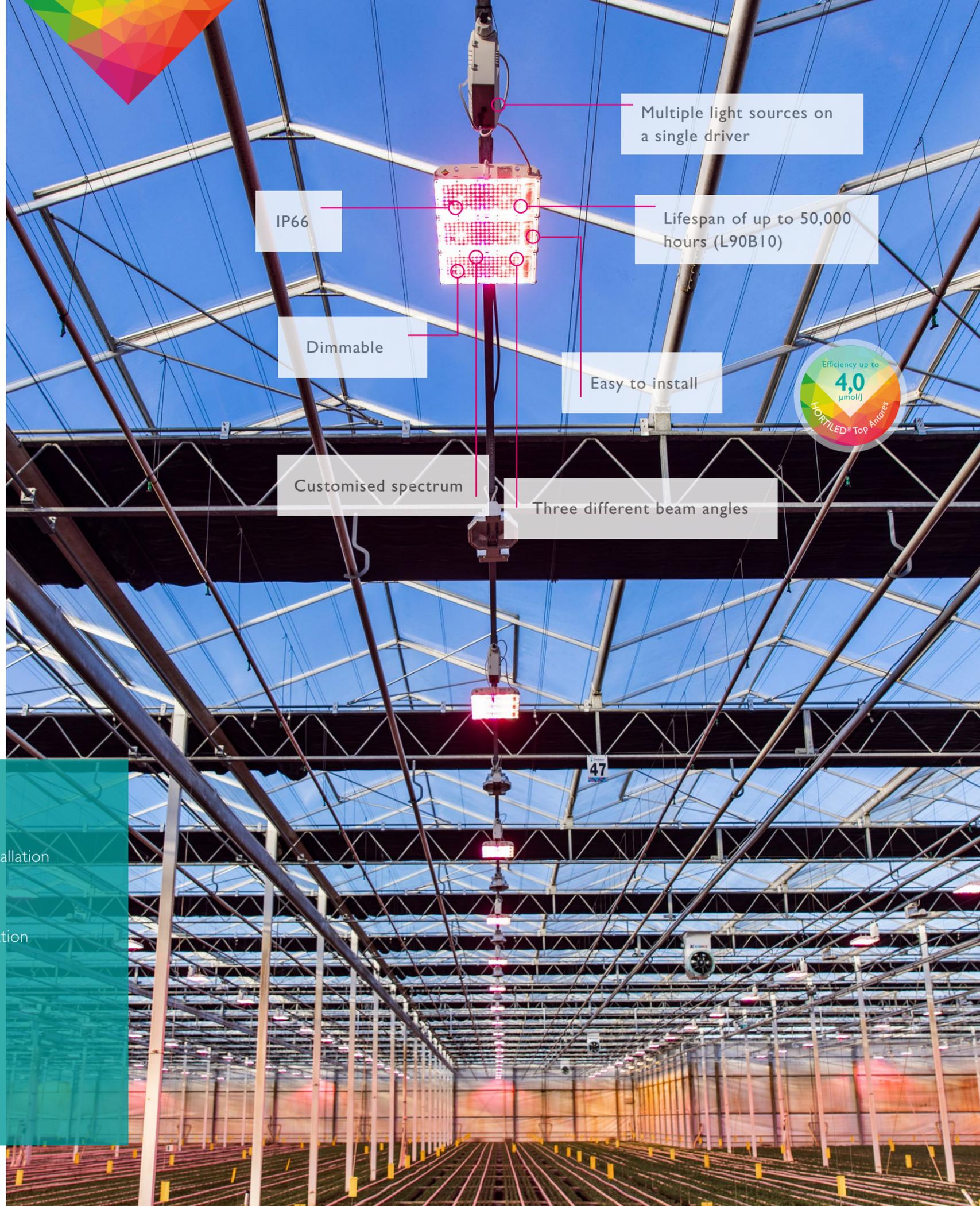
Hortilux introduces the new HORTILED® Top Antares series, which continuously changes in line with the grower's needs thanks to its versatile and flexible design. When it comes to greenhouse horticulture, then energy costs, the availability of labour, sales market developments and so forth are changing more or less constantly. In addition, growers want to continuously optimise greenhouse conditions in order to achieve the highest yield per m². The HORTILED® Top Antares series is the perfect solution.

The new HORTILED® Top Antares series consists of three different grow light systems with more than 120 different configurations. For example there are three different beam angles and six different power levels for a tailor-made installation, as well as a wide range of light recipes available. Hortilux's consultants and engineers will help you configure the optimal grow light solution for your specific objective and the layout of your greenhouse. We also offer a trial setup with variable intensity and light spectrum, which you can rent to get a better understanding of the possibilities and reduce any start-up losses. With this research grow light system you can identify the optimal solution for your situation prior to investment, increasing the security of your investment.

HORTILED® Top Antares grow light systems are future-proof because you are able to make changes to the light output and beam angle. The driver is connectable to your existing HPS power cables, enabling an effortless gradual switch to a Hybrid and Full LED grow light solution.

BENEFITS

1. Future-oriented thanks to the ongoing updates
2. 1-to-1 replacement of HPS fixtures with no need for modifications to the electrical installation
3. Phased transition from HPS to Hybrid and Full LED thanks to the versatile driver
4. 120+ configuration options for an optimal fit with your objectives and greenhouse situation
5. Excellent horizontal and vertical light distribution thanks to the various beam angles and the flexibility of the grow light system setup
6. Dimmable for optimum flexibility
7. Available with switchable far-red





OPTIMUM FIT WITH OBJECTIVES AND GREENHOUSE SITUATION THANKS TO 120+ CONFIGURATION OPTIONS

There are a wide range of different greenhouse situations, different crop types and requirements. The new HORTILED® Top Antares grow light systems feature more than 120 different configuration options, so there's always a solution that's right for your specific situation.

HORTILED Top® Antares 700



This grow light system features three light modules and has different levels of power consumption ranging from 700W to 900W.

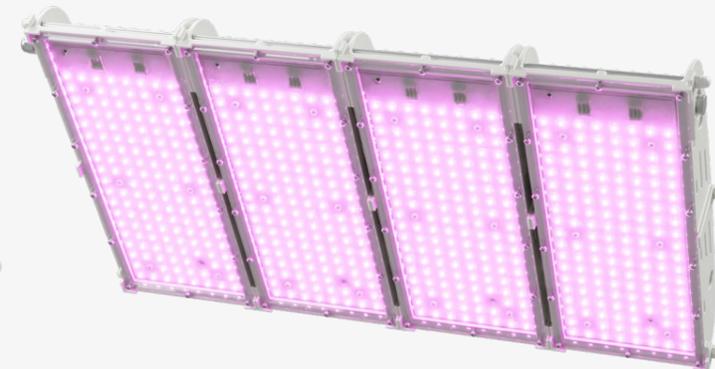
HORTILED Top® Antares 500

This grow light system features two light modules and has different levels of power consumption ranging from 500W to 700W. The light modules can be used either side by side or one behind the other, creating different light distributions.



HORTILED Top® Antares 1000

This grow light system features four light modules and has different levels of power consumption ranging from 900W to 1100W. The light modules can be used either side by side or one behind the other.



*Pictured: (Left) Two Antares 500 fixtures placed one behind the other
(Right) Two Antares 500 fixtures placed side by side*

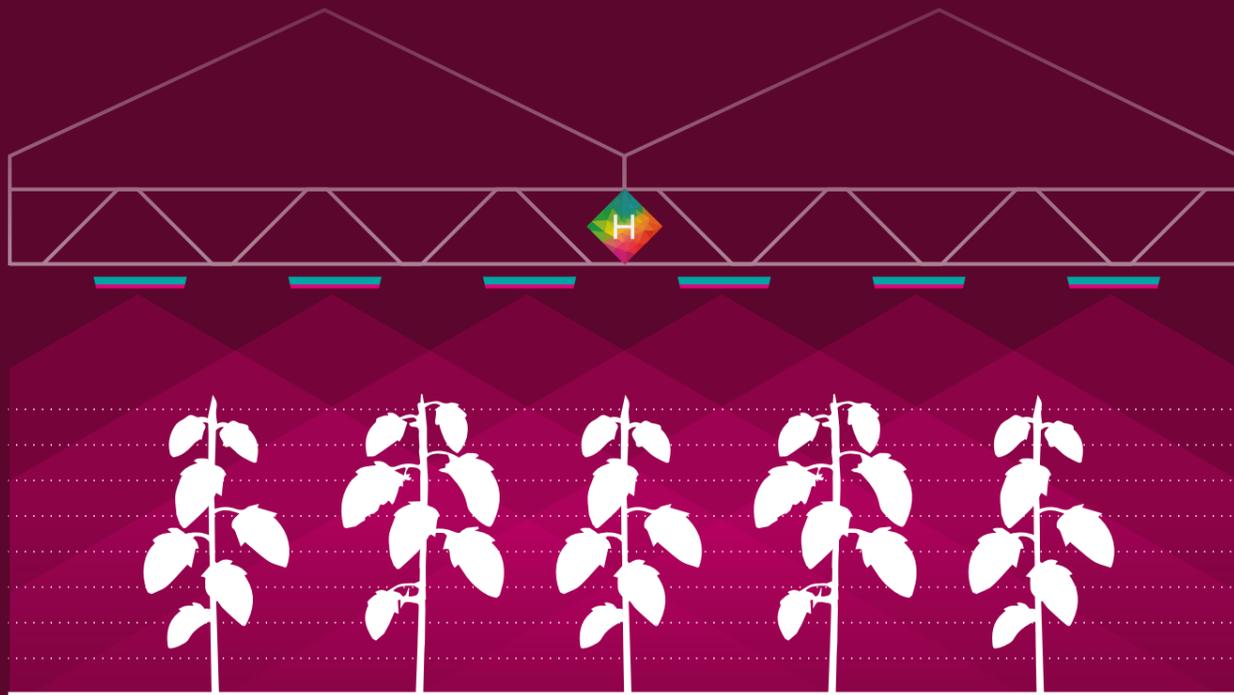


*Pictured: (Left) Two Antares 1000 fixtures placed one behind the other
(Right) Two Antares 1000 fixtures placed side by side*

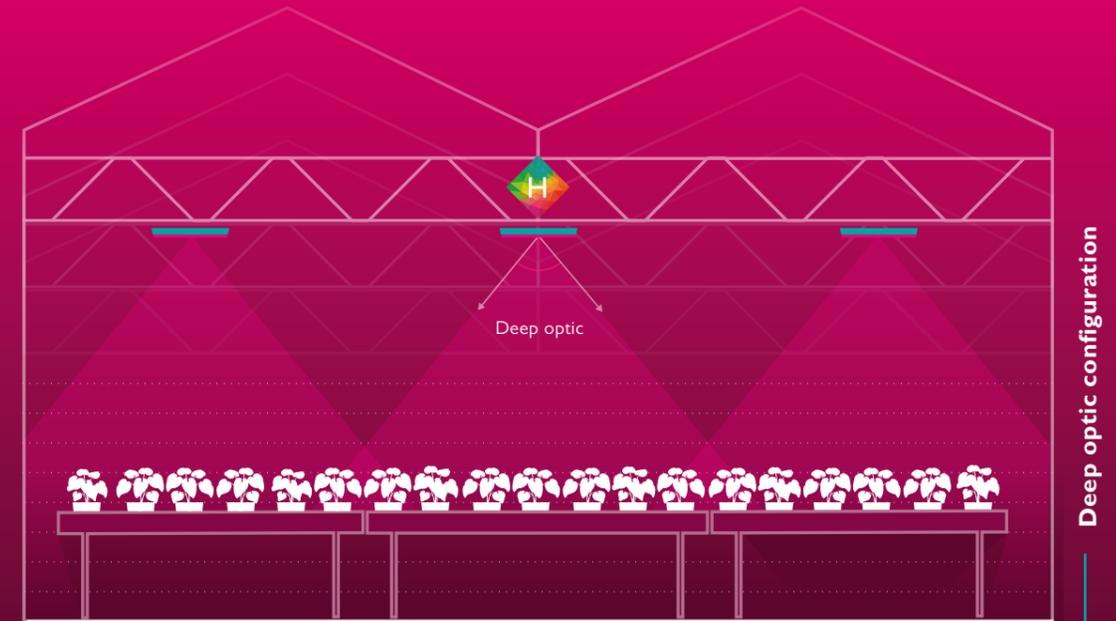
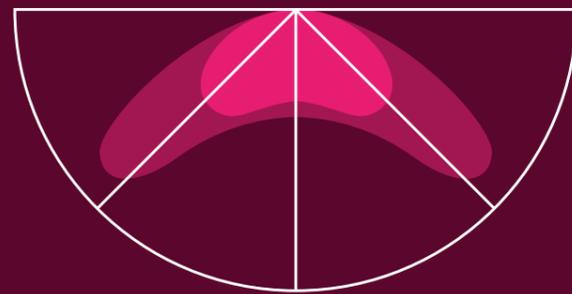
EXCELLENT HORIZONTAL AND VERTICAL LIGHT UNIFORMITY FOR CONSISTENTLY HIGH OUTPUT AND QUALITY

The new HORTILED® Top Antares grow light systems feature three different beam angles, guaranteeing optimum uniformity. With a special high-wire optic, Hortilux is the only one able to optimise both horizontal and vertical light input. The result is consistently high production and quality.

high-wire optic configuration

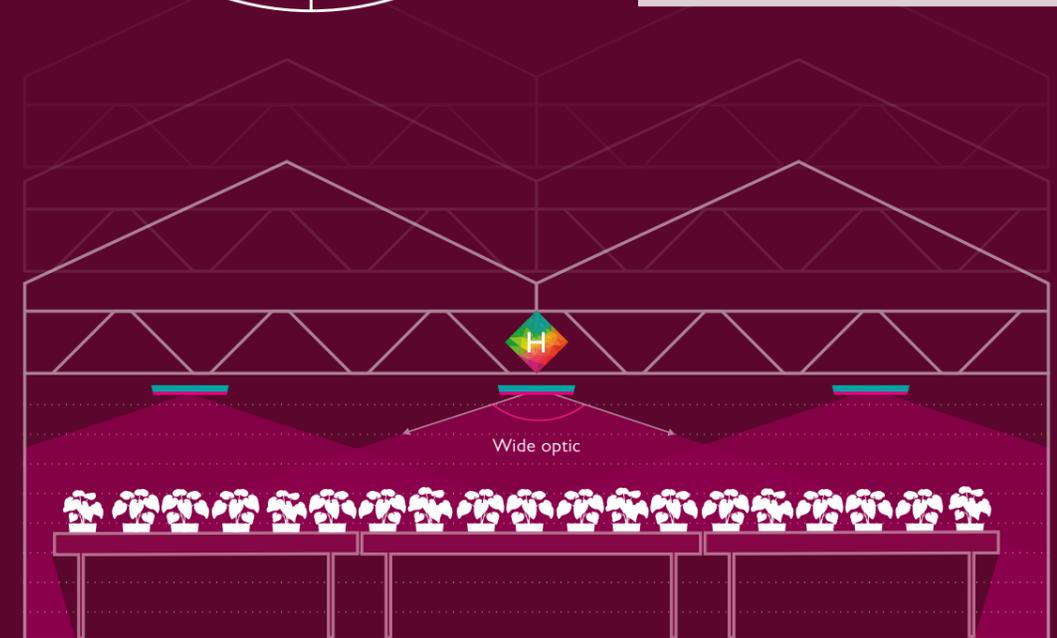
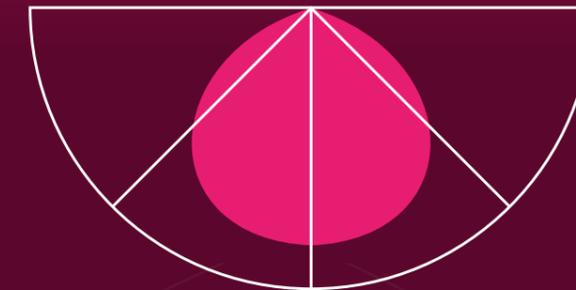


The high-wire optic ensures the best possible horizontal and vertical light distribution. It means that the lower leaves are more vital and the plants as a whole produce more.



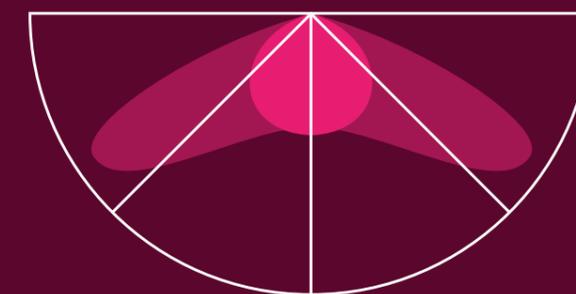
Deep optic configuration

The Deep optic produces excellent light distribution and is particularly suitable for the cultivation of low-growing crops in high-tech greenhouses.



Wide optic configuration

The wide beam optic creates optimum horizontal light distribution in low greenhouse structures. As a result, for this situation you receive the highest returns from a micromole PAR and you also use





FLEXIBLE ENERGY INPUT FOR THE RIGHT BALANCE OF PRODUCTION COSTS AND CROP YIELDS

The new HORTILED® Top Antares grow light systems are dimmable. With this dimming function, you are able to reduce energy input by up to 10% and increase the efficiency of the overall system to a maximum of 4.0 $\mu\text{mol}/\text{J}$. This functionality enables you to adjust your power consumption in line with the energy costs at that specific time. In addition, the light intensity can be adjusted according to the DLI and the seasons. It means that you can light your crops for longer in spring and autumn in order to better meet your delivery agreements. Our consultants can advise you on optimising your lighting efficiency. This includes factors such as the times that the lighting is turned on and off, the light targets and – where relevant – the LAI (Leaf Area Index) for optimum use. All relevant aspects will be discussed with you (and your cultivation advisor).

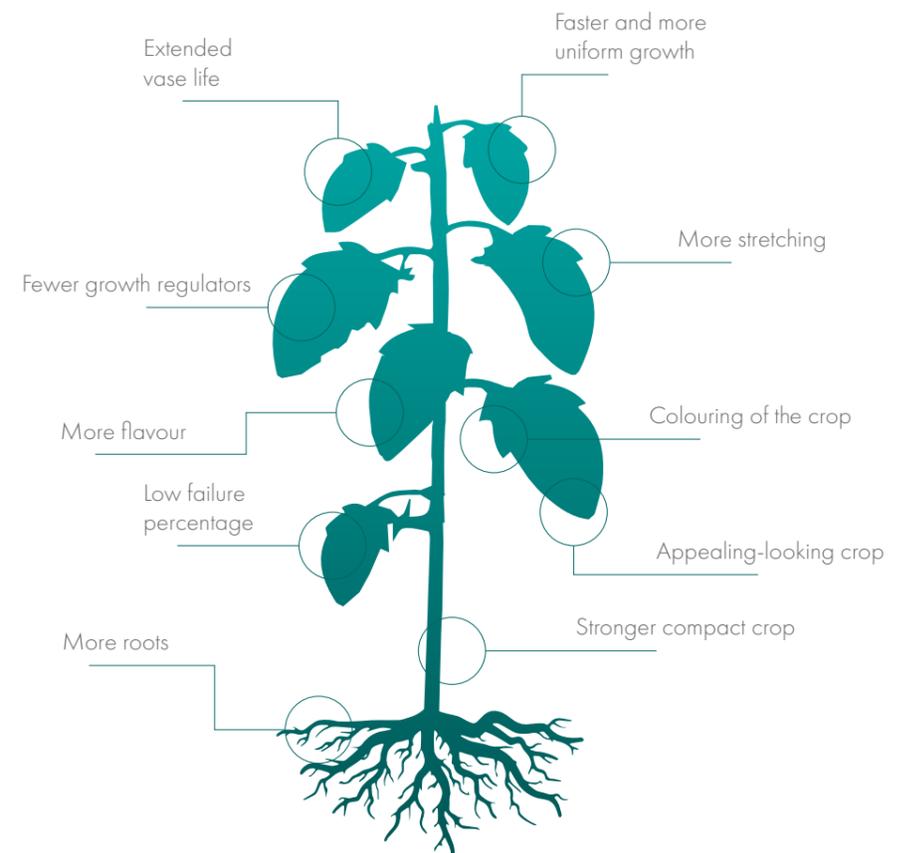
SPECIFIC LIGHT RECIPES FOR DIFFERENT CULTIVATION GOALS, CROP TYPES AND GROWTH STAGES

The developments around LED grow light systems mean that there is now a great need for the ideal spectrum for each crop. Growers' requirements for light recipes include better ability to make adjustments based on crop characteristics, being able to use fewer chemical growth regulators, and more consistent production. The right light recipe is particularly important when making the transition to Full LED. Our consultants and partners work with you to determine the ideal light recipe for your crops and your cultivation goals. To realise your objectives, we always begin with a discussion of your needs and your (greenhouse) situation. Based on this discussion, we advise you on the right light recipe and the corresponding light intensity, perhaps also in combination with light and crop trials. For the light and crop trials, one of the things we use is a test setup with adjustable light recipes. Our consultants configure these lighting recipes for you using software. At the end of the trial, you receive a report with the results of the research and grow light advice. This approach ensures that the use of grow light is always in line with your requirements and cultivation objectives for different crop varieties and growth stages.

Choosing the right light recipe is a must, particularly when making the transition to Full LED. Our consultants and partners work with you to determine the ideal light recipe for your crops and your cultivation goals.



The effects of different light recipes



THE NEW AND SUSTAINABLE METHOD OF CULTIVATION WITH LED GROW LIGHT

The use of LED grow light ushers in a whole new method of cultivation. A lot of things need to be re-examined: fertigation, climate, screens, biology, and so on. Creating an optimal plant balance is the most important thing. Hortilux is a Plant Empowerment implementation partner. Along with the other Plant Empowerment partners, we are able to offer an integrated total solution for a successful cultivation strategy under LED. This enables entrepreneurs to quickly master the finer details of growing under LED and keeps start-up losses to a minimum. The intensive guidance provided by Hortilux consultants and the special webinars and masterclasses that are organised play a key role too. In short: with this approach, we help growers to achieve successful cultivation with LED and achieve maximum returns.



THE LOWEST POSSIBLE INVESTMENT

Growers often see the many benefits of LED grow lights, but note that the purchase cost of LED grow light systems is higher than those using HPS fixtures.

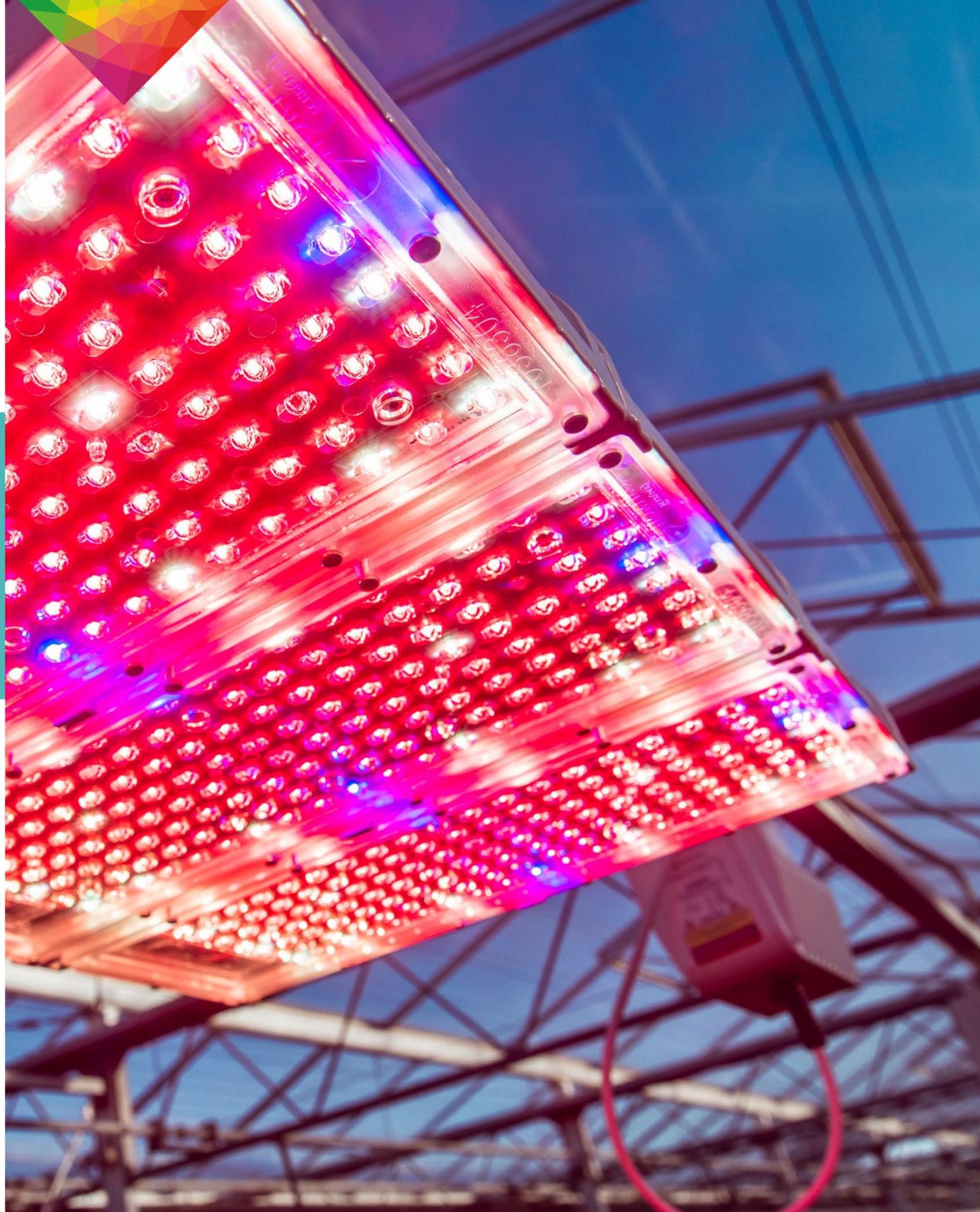
We're happy to work with you to find a grow light solution that meets the conditions of a potential subsidy application, which can mean major gains for you. And together with our financing partners, we will help you find a leasing solution for grow light. This makes the up-front investment costs of your new LED or hybrid grow light system much lower.

Would you like to know more?

Hortilux's Area Sales Manager and Grow Light Consultants are happy to help you. For more information, please contact us on +31 (0) 174 286 628 or at info@hortilux.com.

ABOUT US

Hortilux Schröder is the market leader in the development, supply and application of highquality grow light solutions (LED, HPS and hybrid) for international greenhouse horticulture and indoor farming. Our mission is to support growers worldwide to get the maximum results from the use of grow light. We do this by sharing our knowledge and offering the most suitable solutions that meet our customers' needs and increase their returns.





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This product is a fixture (or a component of a grow light system) intended for the top lighting of horticultural crops. Use for any purpose other than the approved use described above is considered unintended use. Hortilux Schröder B.V. cannot be held responsible for possible (consequential) damage caused by improper, incorrect or inadvisable use.