



HORTILED TOP INTENSE

The most flexible grow light system with the highest light output



HORTILUX

SCHRÉDER

YOUR **GROW LIGHT KNOWLEDGE** PARTNER

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Versatile and innovative: that characterises the design of the HORTILED Top *Intense*. A well-thought-out and practical grow light system that is top of its class in terms of light intensity. Its major advantage is the extraordinarily high light output without an increase in energy costs – good news if you want to replace your existing HPS lighting systems with LED. If you're after high light output at lower energy costs, then HORTILED Top *Sirius* is the best solution. For more information on HORTILED Top *Sirius*, download the product brochure from hortilux.com. With HORTILED Top *Intense* you can get started right away, because often this system needs no adjustments to the electrical installation. This makes it an appealing option, and suitable for one-to-one replacement of 1000-watt HPS fixtures.

This is also the perfect lighting system for newly built projects. HORTILED Top *Intense* has an efficiency of up to 3.5 $\mu\text{mol/J}$. The power consumption is 1050 watts.

Our grow light systems are developed by our own engineers and manufactured at our own production site in the Netherlands. This allows us to retain full control of the quality. All our systems meet the highest standards for intensive greenhouse use.

THE ADVANTAGES

The new HORTILED Top *Intense*:

1. **realises** the highest possible light intensity with the available electrical capacity.
2. **gives** the best possible light distribution thanks to the many configuration options it offers.
3. **is** competitively priced, because a single HORTILED Top *Intense* can replace several HPS fixtures.



MULTIPLE POINTS OF LIGHT FOR BETTER LIGHT PENETRATION

With this configuration of the HORTILED Top Intense, the grow light is distributed across multiple light points. This ensures distribution and better light penetration in high-wire crops.



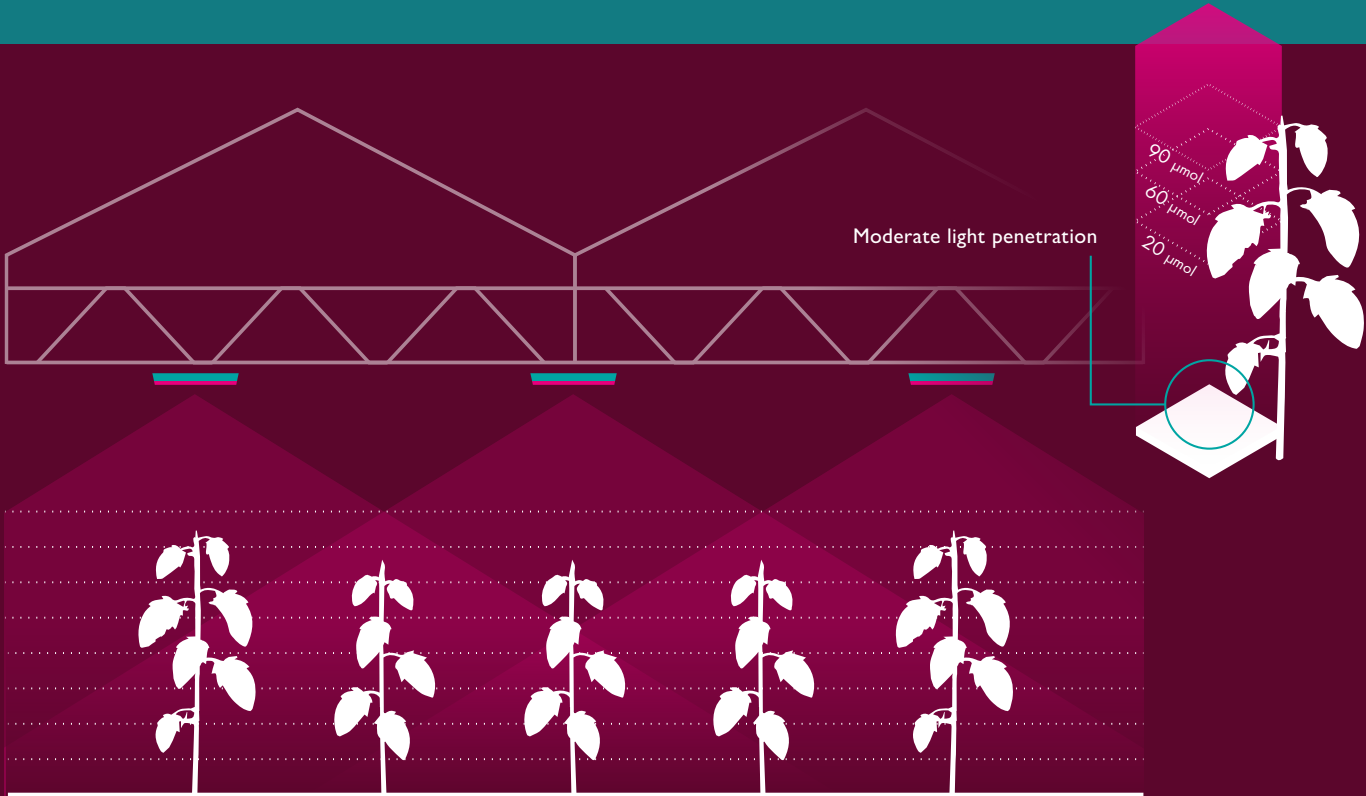
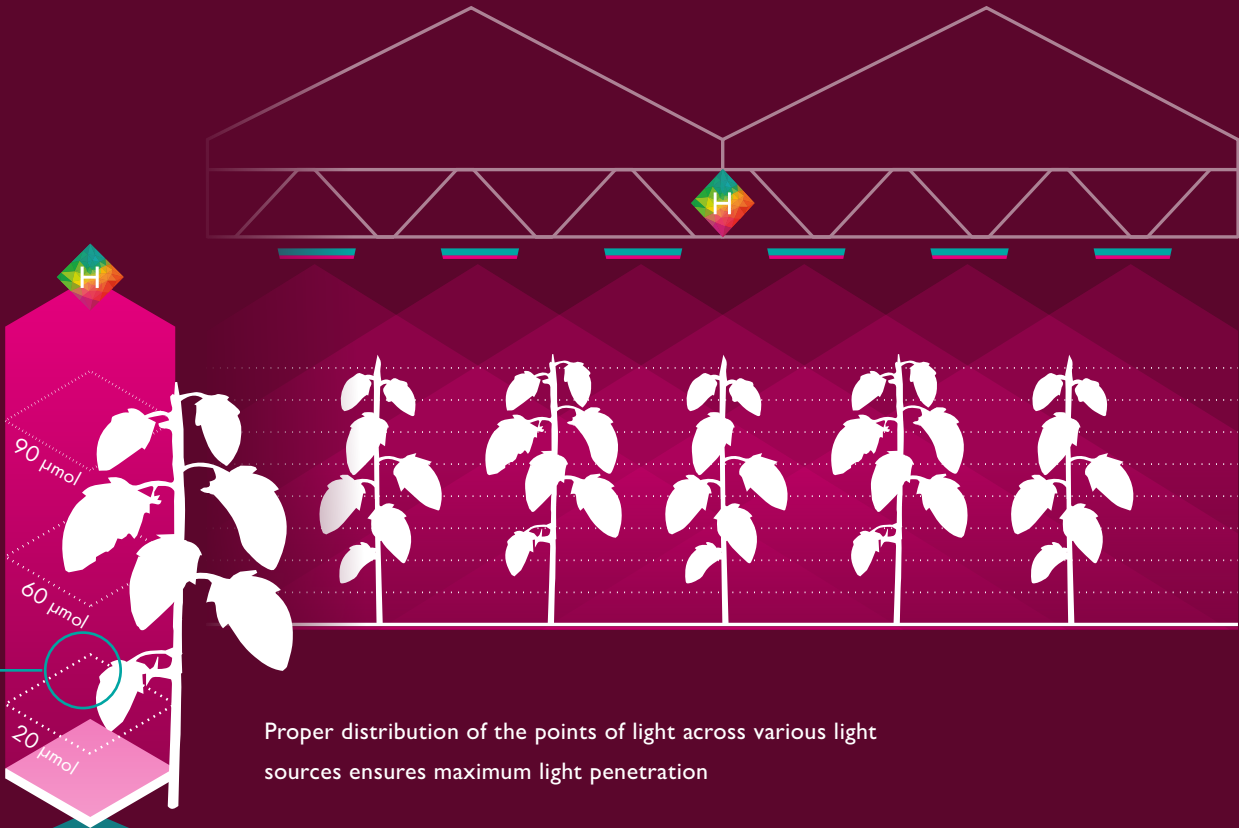
FOR EVERY GREENHOUSE CONSTRUCTION

With this configuration of the HORTILED Top Intense, the grow light is distributed across a single light point. This makes optimal use of the available space in the roof. Optics enable good horizontal light distribution.



THE OPTIMAL LIGHT DISTRIBUTION FOR YOUR CROP

When developing the HORTILED Top Intense, we chose to distribute the grow light over multiple LED light sources. This creates better light reception for both high-wirecrops and ornamental plants, giving you the highest yield from a micromol PAR.





“ Based on your wishes and objectives, we create the ideal light plan
with optimal light distribution, uniformity and depth. ”

LED IN COMBINATION WITH HPS

LED lighting is developing rapidly. Many growers will be investing in LED grow light in the coming years, as an addition to their existing HPS grow light systems. The combination of LED and HPS creates a so-called hybrid grow light system. The exact makeup of a hybrid grow light system is different for each situation. Our specialists will help you find the right setup. Based on your wishes and objectives, we create the ideal light plan with optimal light distribution, uniformity and depth. We also help you to find the optimal business case using our Scenario calculation model. This model, developed by Hortilux engineers, compares various scenarios and calculates the effects, such as the differing amount of radiant heat on the crop. In a number of these scenarios HPS fixtures can easily be replaced with LED grow light systems, without the need to modify the electrical installation and ground cables. This reduces the up-front investment, with the operational costs of the LED grow light systems much lower as well.

With the addition of LED, other HPS reflectors may provide better light distribution. We are specialists in both HPS and LED, and always base our advice on the most cost-effective use of grow light. We also provide support in optimising your grow light system's lifespan.

We use our HortiSense grow light software to monitor the voltage and heat development in the electrical installation. This reduces fire risk and increases the lifespan of the HPS and LED grow light systems.

THE IDEAL LIGHT RECIPE FOR YOUR CROP

The use of LED grow light often presents new opportunities for your crop. An increased ability to steer on crop characteristics, a reduction of growth regulators, and more consistent production are all reasons for choosing LED. Our Grow Light Performance Consultants advise clients on the opportunities that LED grow light presents. They maintain close contact with research institutions and research partners.

We also work with growers and growers' associations to set up tests to find the ideal LED spectrum. We create a light plan and work with you to consider the financial feasibility of the light recipe. We look at the yield per square metre, the energy consumption costs, and the investment in the light source.

Our support doesn't end once your grow light installation has been set up. For example, on delivery we offer a number of mastercourses on optimal grow light use. And with the help of our HortiSense grow light software and in conjunction with the Grow Light Performance Consultant, you can monitor and optimise your grow light system's efficiency on an ongoing basis.

THE LOWEST POSSIBLE INVESTMENT

Growers often see the many advantages that LED grow light offers, but are also aware that the purchasing costs for LED grow light systems are higher than for HPS fixtures. We're happy to work with you to come up with options. For example, we can tailor a grow light solution to the conditions attached to a potential subsidy application. This can drastically reduce the up-front investment for your new LED or hybrid grow light system.

Want to know more?

Hortilux's account managers and Grow Light Performance Consultants are here to help. For more information, please get in touch via +31 (0) 174 286 628 or info@hortilux.com.

ABOUT US

Hortilux Schröder is a market leader in the development, supply and application of grow light solutions (LED, HPS and hybrid) for international greenhouse horticulture and indoor farming. Our mission is to support growers around the world in getting the best possible results from grow light use. We do this by sharing our knowledge and offering the best possible solutions appropriate to with our clients' needs.

Your returns are our focus. We are the grow light specialist; we focus on quality and knowledge of grow light systems (LED, HPS and hybrid), with advice, design, engineering and service seamlessly interwoven. We translate your situation and requirements into the optimal grow light solution, resulting in higher returns per m².





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