



HORTILED TOP SIRIUS

The most energy-efficient grow light system with high light intensity



HORTILUX

SCHRÉDER

YOUR **GROW LIGHT KNOWLEDGE** PARTNER

HORTILED TOP SIRIUS

The most energy-efficient grow light system with high light intensity

The HORTILED Top *Sirius* offers the best of both worlds. This LED grow light system is the perfect solution for new construction projects, as well as for replacing HPS fixtures in existing greenhouses.

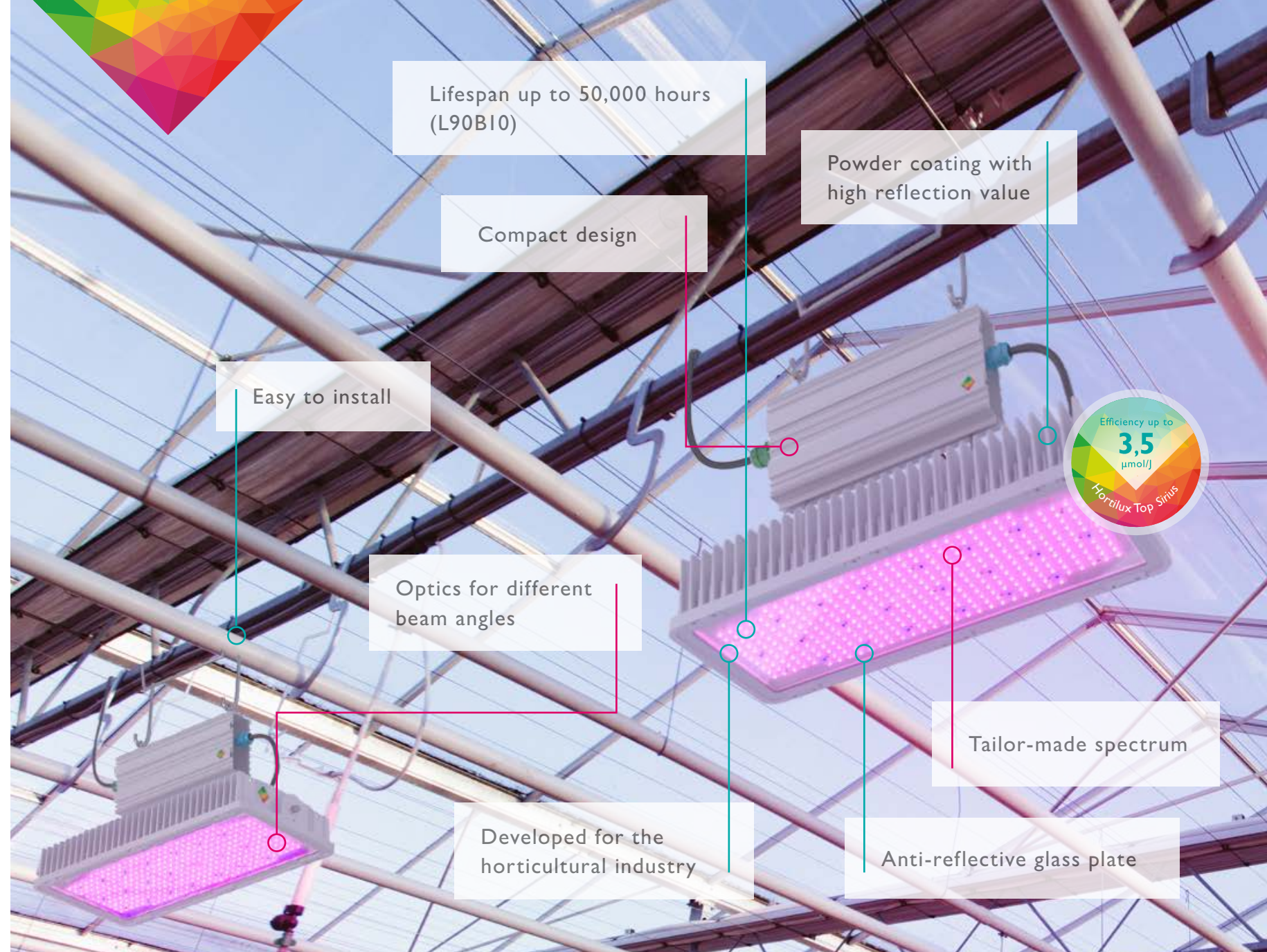
Its major advantage is in the high light output with lower energy costs – good news if you want to replace your existing HPS lighting systems with LED. If you're after maximum light output for the same energy costs, then HORTILED Top *Intense* is the best solution. Please download the product brochure from hortilux.com for more information.

We develop and produce all of our grow light systems in-house in the Netherlands. This gives us full control over the quality. It goes without saying that this grow light system more than meets the requirements for intensive greenhouse use.

HIGH LIGHT INTENSITY WITH THE BIGGEST ENERGY SAVING

With a 525W capacity and an efficiency of up to 3.5 $\mu\text{mol/J}$, the HORTILED Top *Sirius* is ideally suited for one-to-one replacement of 600W HPS fixtures. Not only does it produce a higher light output for the crop, it reduces energy consumption too. When combined with our knowledge of grow light and light plans, this allows you to increase the light intensity on your crop and save energy. When replacing 1000W HPS fixtures the light intensity remains more or less the same, but the energy saving is maximised.

The HORTILED Top *Sirius* is available in various beam angles, for optimum depth and uniformity. This creates a similar light distribution as our HPS reflectors do, and the light distribution is optimal for all types of crops. With a wide beam angle, this grow light system is ideal for lower greenhouse structures and for crops with lower light requirements.



Lifespan up to 50,000 hours (L90B10)

Powder coating with high reflection value

Compact design

Easy to install

Optics for different beam angles

Tailor-made spectrum

Developed for the horticultural industry

Anti-reflective glass plate



THE ADVANTAGES

The new HORTILED Top *Sirius*:

1. **realises** the greatest energy saving and the same light intensity when replacing 1000W HPS fittings.
2. **realises** an energy saving and a higher light intensity when replacing 600W HPS fittings.
3. **provides** optimum light distribution for your greenhouse construction and crop, thanks to the various beam angles.

LED-HPS COMBINATION

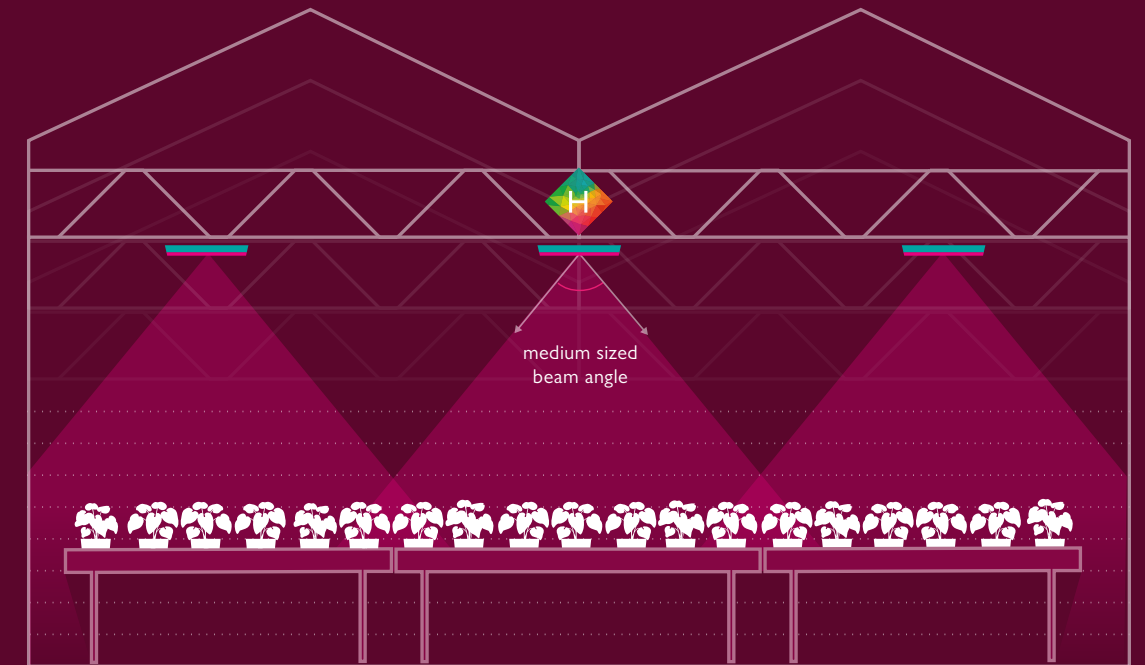
In the coming years more growers will cultivate their crops under LED grow lights. This will, however, not always be with full LED, but using a combination of LED and HPS. This type of hybrid light solution must be tailored to the client's needs, and requires a sophisticated light plan. It is tuned to the crop, the existing lighting, the grower's wishes, the crop objectives, the future of the business. Our specialists know exactly what's involved in creating a thorough lighting plan.

To create the best business case, we compare various scenarios and use our specially-developed scenario calculation model to consider all the options. In many cases the LED system can simply be run on the existing electrical system, and no modifications are required to the ground cables. This keeps the investment costs to a minimum. We specialise in both HPS and LED grow light systems, meaning that we can always recommend and deliver the most cost-effective system for your specific needs. 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

Thanks to the developments in LED and hybrid grow light systems, growers are seeking the ideal LED spectrums for their crops. LED grow light means new opportunities for their crops. Reasons for choosing LED include an increased ability to steer on crop characteristics, less need for chemical growth regulators, and more consistent production. We assist growers and growers' unions with setting up different types of LED tests so that together we can find the ideal LED spectrum. Our Grow Light Performance Consultants advise clients on the opportunities that LED grow light presents. They also connect growers, various research institutes and partners with each other. When a grower has achieved the desired result once testing has concluded, we work together to consider the financial feasibility of the light recipe. In short, we consider the yield per square metre in relation to 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, along with delivery of your grow light system we offer a number of mastercourses on optimal grow light use. With the help of our HortiSense grow light software and in conjunction with the Grow Light Performance Consultant, you can also monitor and optimise your grow light system's efficiency on an ongoing basis.

Optimal light distribution with a high greenhouse construction

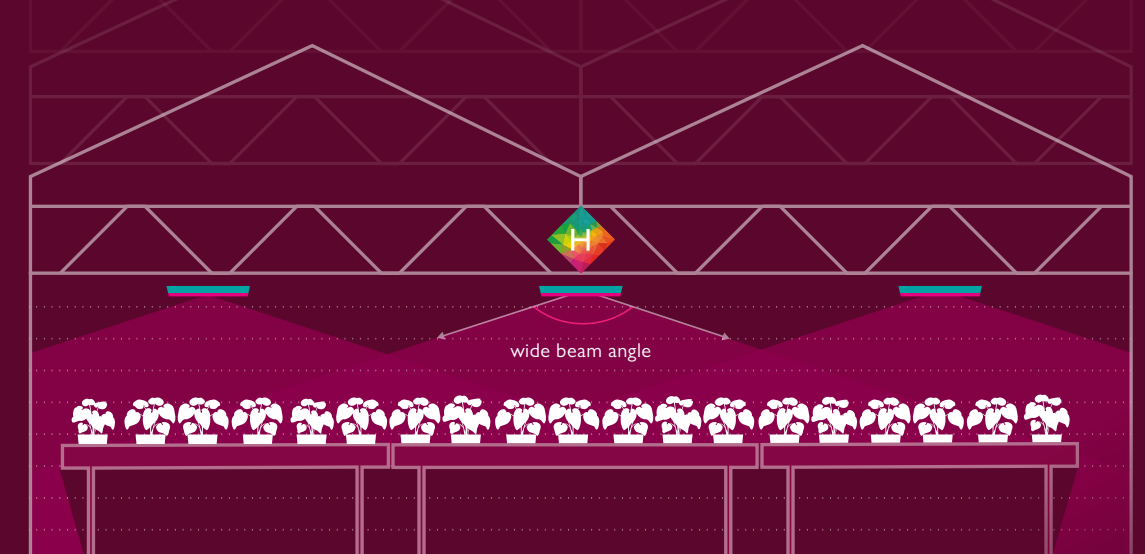


THE OPTIMAL LIGHT DISTRIBUTION FOR YOUR CROP

Thanks to the use of an optic, the HORTILED Top *Sirius* is available with various beam angles.

This enables us to create optimum horizontal light distribution even in low greenhouses, giving you the highest yield from a micromol PAR.

Optimal light distribution with a low greenhouse construction



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 that increases your returns per m².





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