HORTILED®

THE NEW STANDARD IN GROW LIGHT

HORTILED® Inter

Perfect fixture for LED lighting
of high wire cultivation

HORTILED® Inter

LED lighting is changing the face of greenhouse horticulture, with potential applications increasing at a phenomenal rate. The main benefit of LEDs over existing HPS systems is the efficiency with which electricity is converted into light, making LEDs more energy-efficient. LEDs also give the user more application options thanks to continuously variable dimmability and the endless variation in colour spectra. Finally, LEDs have the great advantage that they emit less heat, making it easier to control the greenhouse temperature.

As an innovator in the grow light market, Hortilux is also in the vanguard of LED development. Hortilux has developed a complete LED product line, based on its expertise and many years of experience in the lighting technology sector. The HORTILED® product line comprises three products: HORTILED® Top, HORTILED® Inter and HORTILED® Multi, all with a distinctive and characteristic Hortilux design.

HORTILED® INTER

The three products in the HORTILED product line each have a specific application. The HORTILED Inter has been specially designed for high wire cultivation of greenhouse vegetables. The HORTILED Inter is placed within the crop to supplement your top lighting.

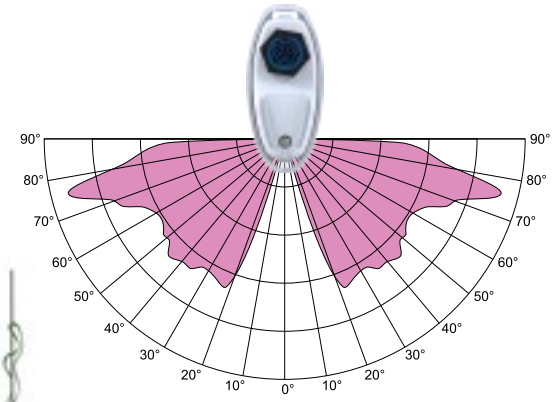
HIGHEST EFFICIENCY

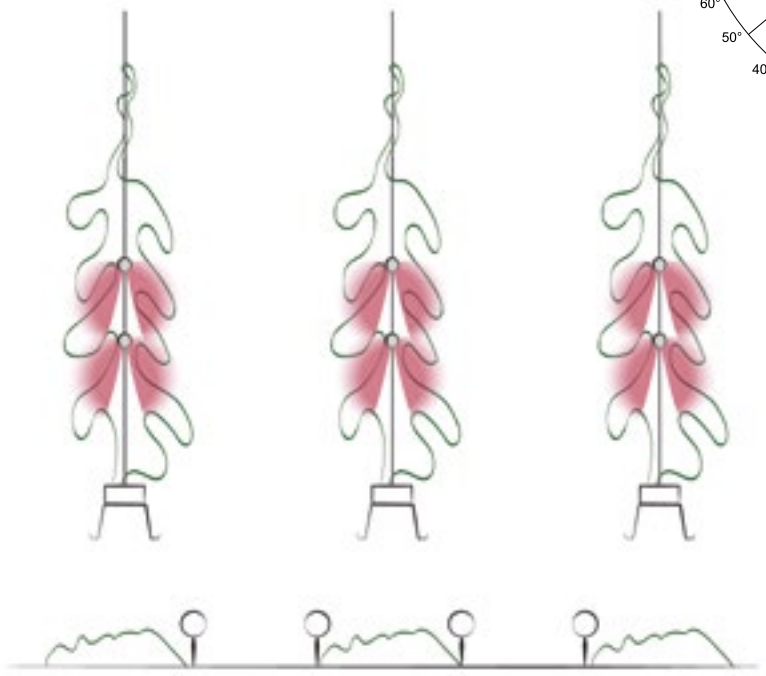
With 2.63 µmol/Joule, the HORTILED Inter is the most efficient fixture when compared with similar products on the market. The HORTILED Inter provides 10% more light per m^2 than other LED products.

OPTIMUM LIGHT DISTRIBUTION

The reflector in the Hortled Inter has been specially designed for optimum light distribution. The leaves are lit from above, even between the plants. Independent research has shown that the top of the leaf in green plants uses light up to 20% more efficiently than the underside of the leaf. Lighting from above therefore increases light utilisation and minimises light loss.

The HORTILED Inter has been specially designed for optimum light distribution, even within the crop leaves are lit from above.





MINIMUM LEAF BURN

The special diffuse reflector and the LED optics in the HORTILED Inter prevent direct contact between the leaf and the LEDs. This minimises the risk of leaf burn.

PARTICULARLY SUITABLE FOR HYBRID LIGHTING SYSTEMS

The HORTILED Inter is highly suitable for use in hybrid systems with HPS and LEDs. The fixture can easily be combined with traditional systems such as HSE NXT2 and HSE 600 Watt or with the HORTILED Top from our LED product line.

EASY TO INSTALL

The HORTILED Inter has a plug-and-play connector system. A pluggable set of 8 fixtures is supplied from a single external driver box. This driver box is installed underneath the gutter where it is easily accessible for maintenance. The connectivity, light weight and compact design of the fixtures make them very straightforward to install and easy to replace. Finally, the HORTILED Inter is available for different supply voltages (120-277V), which means minimum conversion of existing systems.

OPTIMUM COLOUR SPECTRUM

The colour spectrum of the HORTILED Inter (95% Red / 5% Blue) has been specially developed for the specific application intended for this product. Naturally, it is also possible to develop a customised light spectrum at project level.

Hortilux looks at grow light in a different way, putting the client's yield at centre stage. Hortilux is the leading specialist, focusing on total solutions for grow light systems in which advice, design, installation and service fit together seamlessly. Its starting point is to translate your situation and requirements into an optimised grow light solution that will increase your yield per square metre. Hortilux is happy to advise you about opportunities for using our HORTILED product line in your specific situation.

TECHNICAL SPECIFICATIONS **HORTILED INTER**			
Input	120-277 V AC 50-60 Hz	**Size (LxWxH)** **fixture** **driver box**	 1224 x 55.9 x 122.9 mm 853.6 x 110.8 x 83 mm
Power factor	> 0.95		
Power	47.5 Watt (per 125 cm module) 380 Watt (per set of 8 modules)	**Weight** **fixture** **driver box**	 1.8 kg 6 kg
		Colour spectrum	Red/Blue (95%/5%)
Flux	125 µmol (per module) 1,000 µmol (per set)	**IP classification**	IP65 (fixture) IP54 (driver box)
Efficiency	2.63 µmol/J