

# HORTILED®

THE NEW STANDARD IN GROW LIGHT



**HORTILED® Inter**  
Perfect fixture for LED lighting  
of high wire cultivation



**HORTILUX**  
SCHRÉDER

THINK AHEAD GROW SMART



## 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. 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.

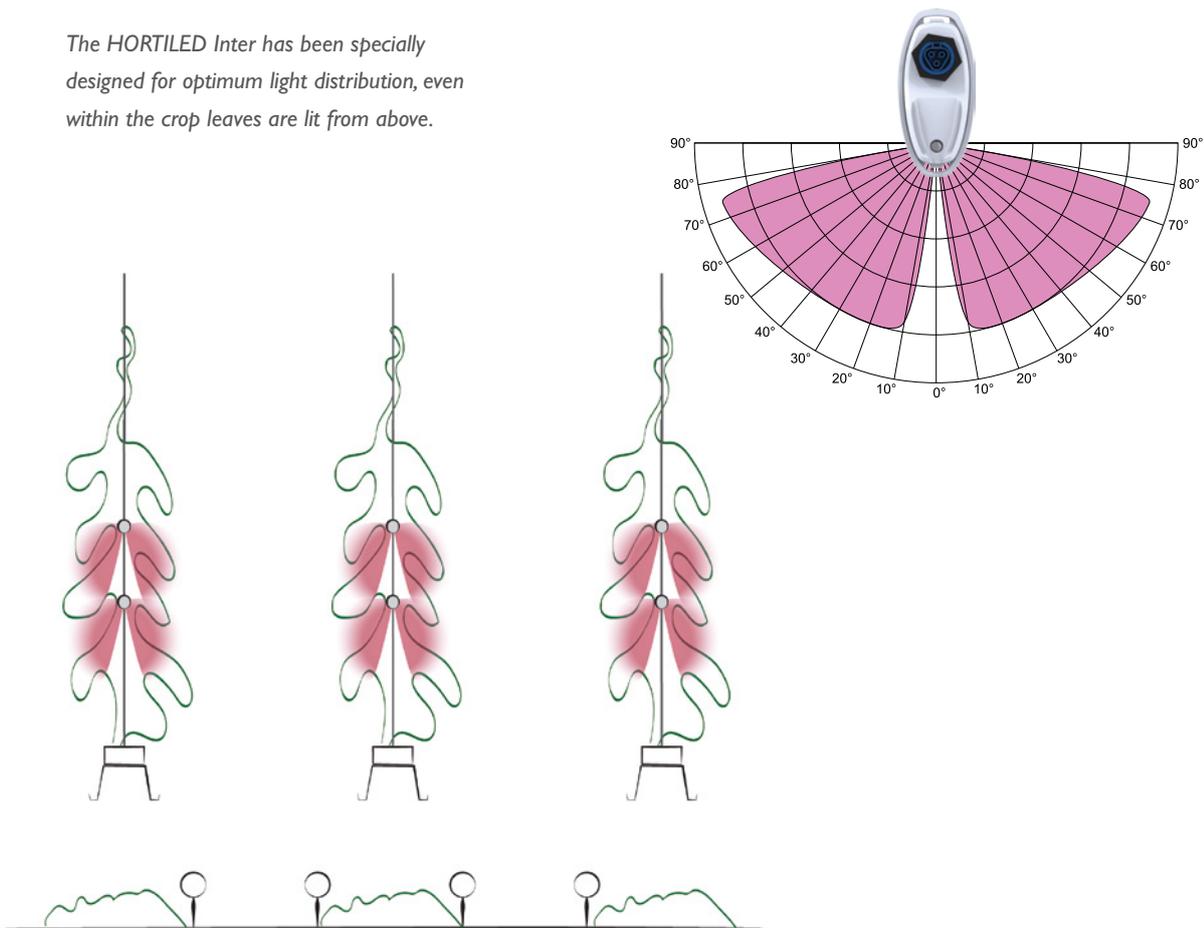
### HIGHEST EFFICIENCY

With 3.00  $\mu\text{mol}/\text{Joule}$ , the HORTILED Inter is the most efficient fixture when compared with similar products on the market.

### OPTIMUM LIGHT DISTRIBUTION

The Hortiled Inter has been specially designed with integrated optics for an 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 LED optic in the HORTILED Inter prevents 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 NXT2 1000W and NXT2 600W 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 6 fixtures is supplied from a single external driver. This driver 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 AC), 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**

<b>Input</b>	120-277V AC	<b>Size (LxWxH) (mm)</b>	
	50-60 Hz		<b>fixture</b>
<b>Power factor</b>	> 0.95 (at 230V)	<b>driver</b>	350 x 90 x 50
<b>Power</b>	53.3 Watt	<b>Weight (kg)</b>	
	(per module)		<b>fixture</b>
	Max. 320 Watt	<b>driver</b>	2.85
	(per set of 6 modules)	<b>Colour spectrum</b>	Red/Blue (95%/5%)
<b>Flux</b>	160 µmol/s (per module)	<b>IP classification</b>	IP65
	960 µmol/s (per set)		
<b>Efficiency</b>	3.00 µmol/l		



**HORTILUX**  
 SCHRÉDER