

HORTILED®

THE NEW STANDARD IN GROW LIGHT



HORTILED® Multi
Allround fixture for LED lighting
of multi-layer cultivation



HORTILUX
SCHRÉDER

THE CONCEPT OF GROW LIGHT



HORTILED® Multi

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 room 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. This HORTILED® product line comprises three products: HORTILED® Top, HORTILED® Inter and HORTILED® Multi, all with a distinctive and characteristic Hortilux design.

HORTILED® MULTI

The three products in the HORTILED product line each have a specific application. The HORTILED Multi has been specially developed for multi-layer cultivation, growth chambers, air-conditioned containers, tissue cultivation and dimmable experimental set-ups.

HIGHEST EFFICIENCY

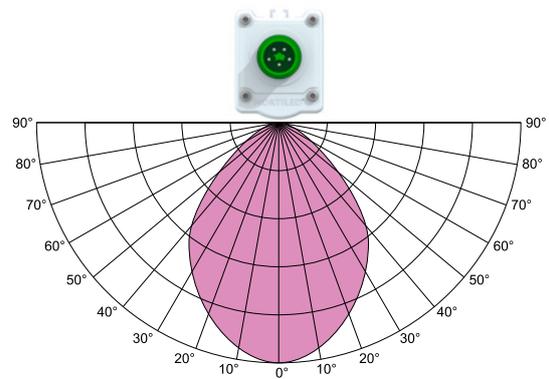
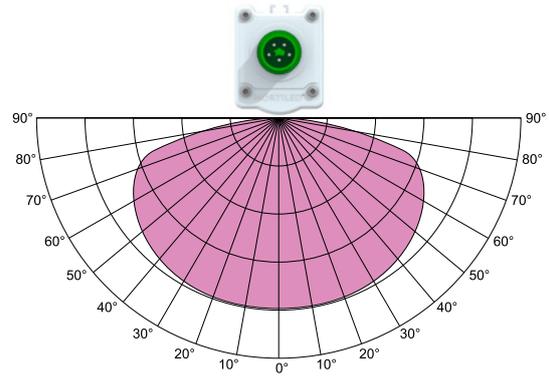
HORTILED Multi delivers the highest efficiency on the market. Efficiency levels of up to 2.5 $\mu\text{mol}/\text{Joule}$ can be achieved, depending on the light spectrum. This makes

the HORTILED Multi 60% more energy-efficient than fluorescent lighting.

80° OR 150° RADIATION PATTERN

The HORTILED Multi is available in 2 lengths: 120 cm and 150 cm. Both formats can be supplied with an 80° or 150° radiation pattern, enabling you to choose between outstanding uniformity and good light penetration into the crop. You can select the ideal radiation pattern to suit your set-up and crop.

The HORTILED Multi is available with an 80° or 150° radiation pattern for either outstanding uniformity or good light penetration into the crop.



LOW AND FULL OUTPUT

The HORTILED Multi is available in two light output versions: low and full output. The low output version (from 50 $\mu\text{mol}/\text{m}^2\text{s}$) is normally used in situations with a restricted height. Full output is the best choice in situations where a high light intensity is needed (intensity up to 1500 $\mu\text{mol}/\text{m}^2\text{s}$ is possible). Overall, full output gives the highest $\mu\text{mol}/\text{Joule}$ output of all comparable products on the market.

WIDE COLOUR SPECTRA

The HORTILED Multi can be supplied with a wide range of colour spectra. The right colour spectrum and optimum configuration in each fixture are determined by the crop, the set-up and the specific crop/colour spectrum requirement. A custom project-based LED colour recipe can be developed.

CONTINUOUSLY DIMMABLE

Each HORTILED Multi fixture can be supplied with one light colour or a combination of colours. If you choose one colour per fixture, dimming of each light colour is available as an option. The colour spectrum, light intensity

and lighting time can be controlled using the specially developed HORTILED Dim controller. This is a handy Dali module with a touchscreen which allows the colour spectrum to be adjusted very easily in 5% increments (from 5 to 100%) to suit any conceivable situation.

EASY TO INSTALL

The HORTILED Multi is a very handy fixture which is easy to install thanks to an integrated, pluggable 230V connection within the fixture. The dimmable fixtures have a 5-pole connector and the non-dimmable fixtures have a 3-pole connector.

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 MULTI				
Input	220-240 V AC 50-60 Hz		Dimmable (optional)	5-100% via optional HORTILED Dim controller
Power factor	> 0.95			
Power	Low	Full	Colour spectra	Red/Blue (MB/HB) Red/Blue/Farred (MB/HBFR) Red /White (MB) Red/White/Farred (MB) Full spectrum 100% Red 660nm 100% Blue 460nm 100% White 6500K 100% Farred 730nm Custom project-based LED recipe
120 cm	40 Watt	64 Watt		
150 cm	50 Watt	80 Watt		
Flux				
120 cm	80-180 $\mu\text{mol/s}$			
150 cm	112-225 $\mu\text{mol/s}$			
Efficiency	2.0-2.5 $\mu\text{mol/l}$			
Size (LxWxH)	1195.6 x 48.3 x 60.6 mm 1485.6 x 48.3 x 60.6 mm			
Weight			IP classification	IP66
120 cm	2.0 kg			
150 cm	2.4 kg			

LEGEND

MB = Medium Blue
 HB = High Blue
 HBFR = High Blue Farred



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