

# HORTILED®

THE NEW STANDARD IN GROW LIGHT



## HORTILED® Multi 4DIM

Multiple light recipes in a single fixture



**HORTILUX**  
SCHRÉDER

THE CONCEPT OF GROW LIGHT



## HORTILED® Multi 4DIM

The disadvantage of regular LED grow light fixtures today is that they are rigid: they have a fixed set of colors. Researchers and growers who want to experiment with variable light recipes, have to install several fixtures with different color combinations. With the HORTILED Multi 4DIM this is no longer needed: it enables researchers and growers to experiment with various color combinations in a single fixture.

As an innovator in the grow light market, Hortilux is 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 4DIM

Growing and research demand flexibility. The HORTILED Multi 4DIM fixture has that flexibility and delivers the highest output.

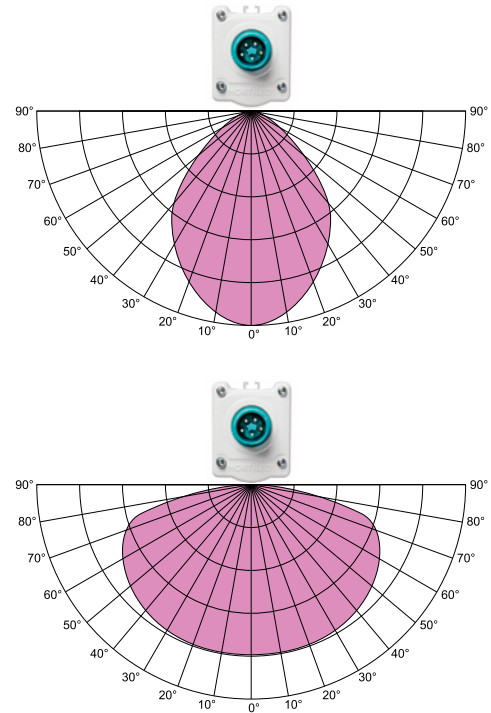
The fixture has been specially developed for research applications in growth chambers, climate controlled containers, tissue cultivation and dimmable experimental set-ups. You create the correct light recipe and light level at any given time, with a minimum amount of fixtures!

Suitable for:

- Creating the correct light recipe and light level for every crop
- Crops that need variable light levels during the day
- Vertical farming solutions

### HOW DOES IT WORK?

The Multi 4DIM consists of the highest quality LEDs for white, blue, red and far red. Color, lighting time and light intensity are individually adjustable with the internal four



*The HORTILED Multi 4DIM is available with an 80° or 150° radiation pattern for either outstanding uniformity or good light penetration into the crop.*

channel driver with DALI lighting protocol. We offer a variety of light management systems to control the Multi 4DIM and let you create the perfect light recipe!

### HIGHEST EFFICIENCY

HORTILED Multi 4DIM delivers the highest efficiency on the market. Efficiency levels of up to 3.0  $\mu\text{mol}/\text{Joule}$  can be achieved, depending on the light spectrum. This makes the HORTILED Multi 4DIM 60% more energy-efficient than fluorescent lighting.

### 80° AND 150° RADIATION PATTERN

The HORTILED Multi 4DIM is available in 120 cm 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.

### INTENSITY RANGE

With the Multi 4DIM an intensity range of up to 1200  $\mu\text{mol}/\text{m}^2\text{s}$  is achievable within the 400-800nm horticultural light spectrum. Whether it's vegetables, fruit,

flowers or plants, you create all common light recipes within horticulture and steer plant characteristics such as growth speed, color intensity, leaf development and compactness.

### HIGHLIGHTS

- **The highest output (up to 1200  $\mu\text{mol}/\text{m}^2\text{s}$ ) with a minimum amount of fixtures**
- **The right light recipe for every crop**
- **Energy efficient**
- **Compact**
- **Connectable with just one five-pole plug for power and four channel control**

TECHNICAL SPECIFICATIONS  
**HORTILED MULTI 4DIM**

<b>Input</b>	220-240 V AC 50-60 Hz	<b>Color spectra</b>	150 µmol Red
<b>Power factor</b>	> 0.95		40 µmol Blue
<b>Power</b>	Max. 135 Watt		40 µmol White 25 µmol Far-red
<b>Flux Combined colors</b>	Up to 255 µmol/s	<b>Hortilux article number</b>	1017954
<b>Efficiency</b>	Up to 3.0 µmol/J	<b>IP classification</b>	IP66
<b>Size (LxWxH)</b>	1196 x 48 x 60 mm		
<b>Weight</b>	3.0 kg		
<b>Dimmable</b>	DALI four channel independent		



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