

# LEAF CARRIER



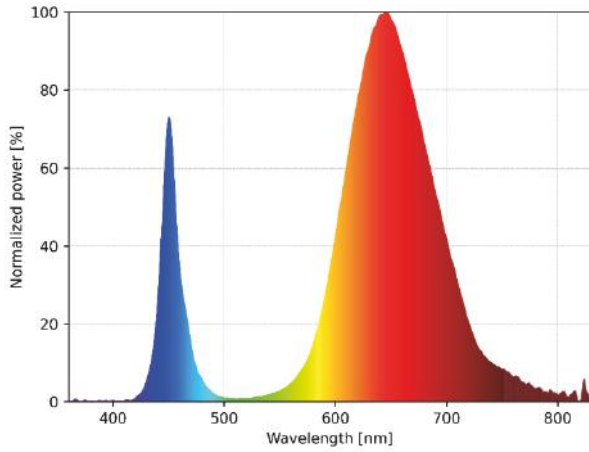
## Benefits

- High light uniformity
- No heat on plant surface
- No burning effects caused by light source
- Light engine is fully integrated into the layers
- Carrier concept for optimal process flexibility
- Mains connector with easy and reliable twist and lock system with live breaking capacity (CBC)
- Smart technology:
  - Plug-and-play self-organizing wireless network
  - Intelligent  $\mu\text{mol}$  dimming (per layer)
  - Switch off unused layers
  - Programmable day/night cycle
  - API-based application
  - Real time feedback (e.g. LED temperature)

## Features

Number of layers	7, 10 or 15
Layer loading capacity	15 or 40 kg
Plant area per layer	1 m <sup>2</sup>
Plant area per Leaf Carrier	up to 15 m <sup>2</sup>
Spectrum	450nm (12.5%) / 640nm
Uniformity	> 85%
Voltage	90/176- 305 VAC @ 47-63Hz
Power	up to 900W
Power factor	> 0.9
Inrush current (i <sub>2t</sub> )	1.6 A <sub>2s</sub> (t=3.26ms)
Inrush surge protection	4kV line-line, 6kV line-earth
Material	Galvanized steel, AL
Optical area	Acrylic, AL
Operating Temperature	0°C - 40°C
IP Rating	IP65 / IP43
Dimensions	1660 x 631 x 1980-2270 mm
Weight	Max 250 kg
Warranty	2-year return to base

## SPECTRUM



## DIMENSIONS



Name	SKU	Layer to Layer	Dimensions	Output	Power
7-layer Leaf Carrier	19680	250 mm	1660 x 631 x 2175 mm	170 $\mu\text{mol}/\text{m}^2/\text{s}$	810 Watt
10-layer Leaf Carrier	19681	158 mm	1660 x 631 x 1980 mm	163 $\mu\text{mol}/\text{m}^2/\text{s}$	810 Watt
15-layer Leaf Carrier (LO)	17921	128 mm	1662 x 634 x 2270 mm	63 $\mu\text{mol}/\text{m}^2/\text{s}$	470 Watt
15-layer Leaf Carrier (HO)	17922	128 mm	1662 x 634 x 2270 mm	150 $\mu\text{mol}/\text{m}^2/\text{s}$	900 Watt

All product, product specifications and data are subject to change without notice to improve reliability, function, design or otherwise. Photos and pictures are for illustration purposes only

04-2022