



# LEAF CARRIER

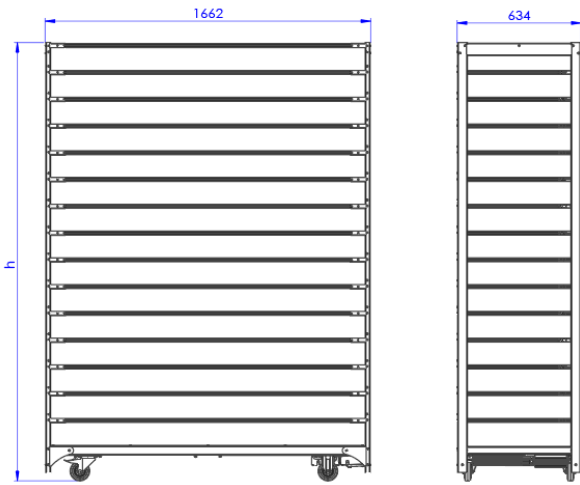
## Features

Number of layers	6, 7, 10 or 15
Layer loading capacity	15 or 30 kg
Layer thickness	9 mm (15-layer) 25 mm (6-, 7- and 10-layer)
Plant area per layer	0.94 m <sup>2</sup>
Plant area per cubic meter	up to 5.9 m <sup>2</sup>
Plant area per Leaf Carrier	up to 14.1 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 <sup>2</sup> t)	1.6 A <sup>2</sup> s (t=3.26ms)
Inrush surge protection	4kV line-line, 6kV line-earth
Material	Galvanized steel, Aluminium
Optical area	Acrylic, Aluminium
Operating Temperature	0°C - 40°C (non-condensing)
IP Rating	With Top Layer: IP43 Without Top Layer: IP21
Dimensions	1662 x 634 x 2000-2270 mm
Weight	Max 250kg
Warranty	2-year return to base

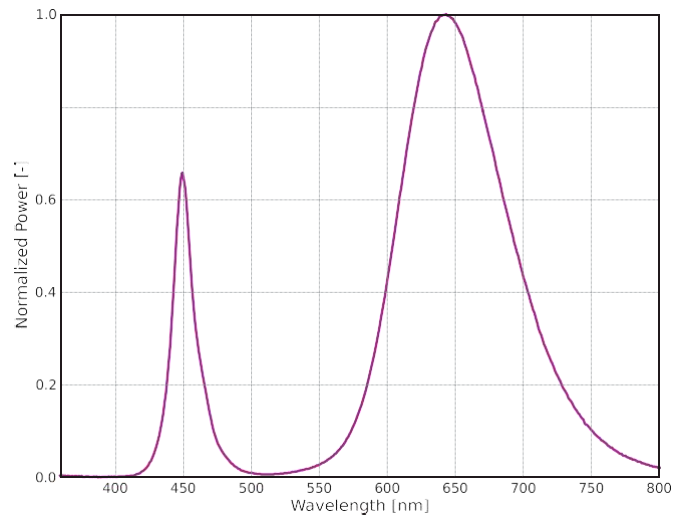
## Benefits

- High light uniformity
- Very close lighting without any burn effects
- Ultra-thin light engine (9mm loss/layer)
- No heat under plant area
- Light engine is fully integrated into layer
- Carrier concept for optimal process flexibility
- Mains connector with easy and reliable twist and lock system with live breaking capacity (CBC)
- Optional smart technology:
  - Plug-and-play self-organizing wireless network
  - Intelligent  $\mu$ mol dimming (per layer)
  - Switch off unused layers

## DIMENSIONS



## SPECTRUM



## ORDERING INFORMATION

Article	Nomenclature	Wattage	Max. PPFD* ( $\mu\text{mol}/\text{m}^2/\text{s}$ )	Layer to layer (mm)	Plant area (m <sup>2</sup> )	Height (mm)	Loading capacity per layer
<b>Leaf Carrier</b>							
17921	Leaf Carrier02, 15-layer, 2S-L0, 128mm	470 W	70	128 mm	14,1 m <sup>2</sup>	2270 mm	15 kg
17922	Leaf Carrier02, 15-layer, 2L-L0, 128mm	900 W	150	128 mm	14,1 m <sup>2</sup>	2270 mm	15 kg
18784	Leaf Carrier02, 10-layer, 2S-L0, 170mm	310 W	63	170 mm	9,4 m <sup>2</sup>	2000 mm	15 kg
18785	Leaf Carrier02, 10-layer, 2S-L0, 158mm, TOP LAYER	310 W	63	158 mm	9,4 m <sup>2</sup>	2000 mm	30 kg
17924	Leaf Carrier02, 10-layer, 2L-L0, 170mm	600 W	126	170 mm	9,4 m <sup>2</sup>	2000 mm	15 kg
18239	Leaf Carrier02, 10-layer, 2L-L0, 158mm, TOP LAYER	600 W	126	158 mm	9,4 m <sup>2</sup>	2000 mm	30 kg
18238	Leaf Carrier02, 7-layer, 2L-L0, 250mm, TOP LAYER	420 W	110	250 mm	6,6 m <sup>2</sup>	2170 mm	30 kg
18134	Leaf Carrier02, 7-layer, 2L-L0, 250mm, TOP LAYER	600 W	140**	250 mm	6,6 m <sup>2</sup>	2170 mm	30 kg
18135	Leaf Carrier02, 6-layer, 2L-L0, 298mm, TOP LAYER	360 W	110	298 mm	5,6 m <sup>2</sup>	2170 mm	30 kg
18136	Leaf Carrier02, 6-layer, 2L-L0, 298mm, TOP LAYER	600 W	150**	298 mm	5,6 m <sup>2</sup>	2170 mm	30 kg
<b>Options</b>							
16970	1 year smart technology license						

\* PPFD is measured 6cm below the light source in an empty leaf carrier  
 \*\* No per layer dimming. Dimming only per leaf carrier.