

## Flexibility

- The illumination pattern is flexible and easily adaptable to different cultivation methods and growing areas.
- The spectrum and intensity are precisely adjustable to provide the optimal light for all varieties and growth stages.

## Efficiency

- The HashCropter enables 30 to 40 percent greater yield than HPS or CMH lighting devices.\*
- The fully controllable spectrum enables you to significantly influence the quantity and quality of key plant compounds and flavors.\*
- The HashCropter is the most flexible LED lighting device in the 100W-1000W range with a maximum efficiency up to 2.8  $\mu\text{mol}/\text{J}$ .
- A powerful dimming function provides energy conservation

## Usability

- Plug & Play: Hang it up and off you go!
- The lighting system is easy to control via an integrated touch panel or an external controller (optional)
- A network of hundreds of lighting devices can be controlled by only one controller which is monitored by a sophisticated web interface with extensive monitoring capabilities.

## Safety

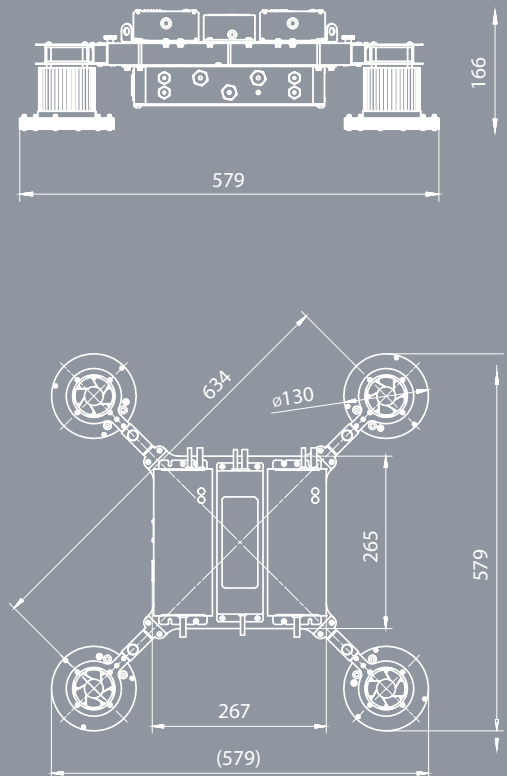
- Sensor based overheat protection: Protects the HashCropter and your plants from damage caused by temperature
- Developed and produced in Germany

\* (according to comparative statistics)

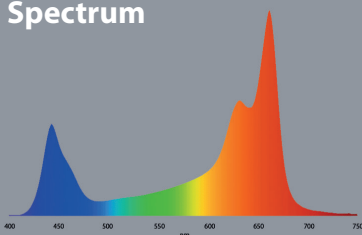
## Technical data

Electric output	0 – 780 W <sup>1</sup>
Light output (PPF)	1.570 $\mu\text{mol}/\text{s}$
System efficiency	between 2,8 and 2,0 $\mu\text{mol}/\text{J}$ <sup>2</sup>
Spectral adjustability	digitally programmable <sup>3</sup> or manually adjustable
	3 channels: 0 – 100 per cent (CC-dimming)
Recommended illumination area	2,25m <sup>2</sup> (150 x 150cm) <sup>4</sup> 1,44m <sup>2</sup> (120 x 120cm) <sup>5</sup>
Voltage range	100 – 240V
Max. current	6,6A @ 120V (3,3A @ 240V) <sup>6</sup> 3,4A @ 230V
Frequency	50/60 Hz
Power factor	> 0,98
Heat output	1.651 BTU (max. 2.751 BTU <sup>7</sup> )
Ambient temperatures	10 – 40 °C
Thermal management	active
Weight	10,3kg
Size (LxWxH)	580 x 580 x 166 mm
Overall system service life	50,000 + operating hours
Guarantee	5 years
Certificates	CE

## Dimensions (mm)



## Spectrum



Set to the maximum available spectrum the HashCropter will maximize your flowering potential.

The HashCropter has three individually controlled lighting channels (blue, white,

red) making it possible to use the light in both growing and flowering stages.

The spectrum is highly adaptable and can be set to the specific needs of your plants during different stages of growth.

<sup>1</sup> At 120V (max. 806W)

<sup>2</sup> Depending on spectral and dimmer setting; 1.95  $\mu\text{mol}/\text{J}$  @ 120V

<sup>3</sup> Only in combination with the controller

<sup>4</sup> For individual suspension in Grow boxes

<sup>5</sup> When also using CO<sub>2</sub> gassing

<sup>6</sup> Info for the North American market only

<sup>7</sup> Max heat output in the event of light output not being processed by plants