



**FOOD  
AUTONOMY**  
Horticultural lighting

# LEDFAN AIR+



**SCAN NOW!**

TO KNOW MORE  
ABOUT OUR  
WIRELESS MULTICHANNEL  
CONTROL



# OPTIMAL MICROCLIMATE FOR YOUR PLANTS

- **Improved air circulation:** Better airflow, reduced vertical temperature gradients, canopy temperature increased 2.2°C.
- **Lower heating cost:** decreased by 8% compared to standard LED.
- **Humidity control:** Relative humidity decreased 10%, reducing screen & window opening and disease risk.
- **Boosted plant health:** Higher transpiration, nutrient uptake, and effective CO<sub>2</sub> absorption.

Controlled  
airflow  
600 m<sup>3</sup>/h

Optimal  
uniformity

No  
discoloration

Independent  
wireless  
fan control



Up to  
5 channel  
controlrollable

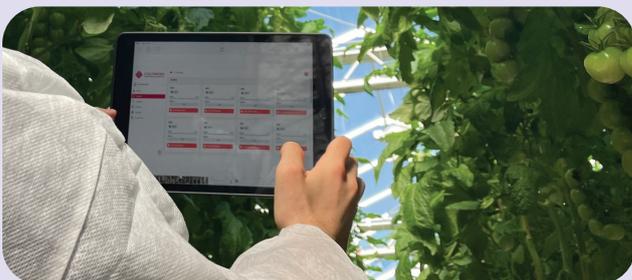
Same light  
output on every  
spectrum

Grow light  
health  
monitoring

High  
pressure  
washable IP66

Easy  
installation  
by 1 person

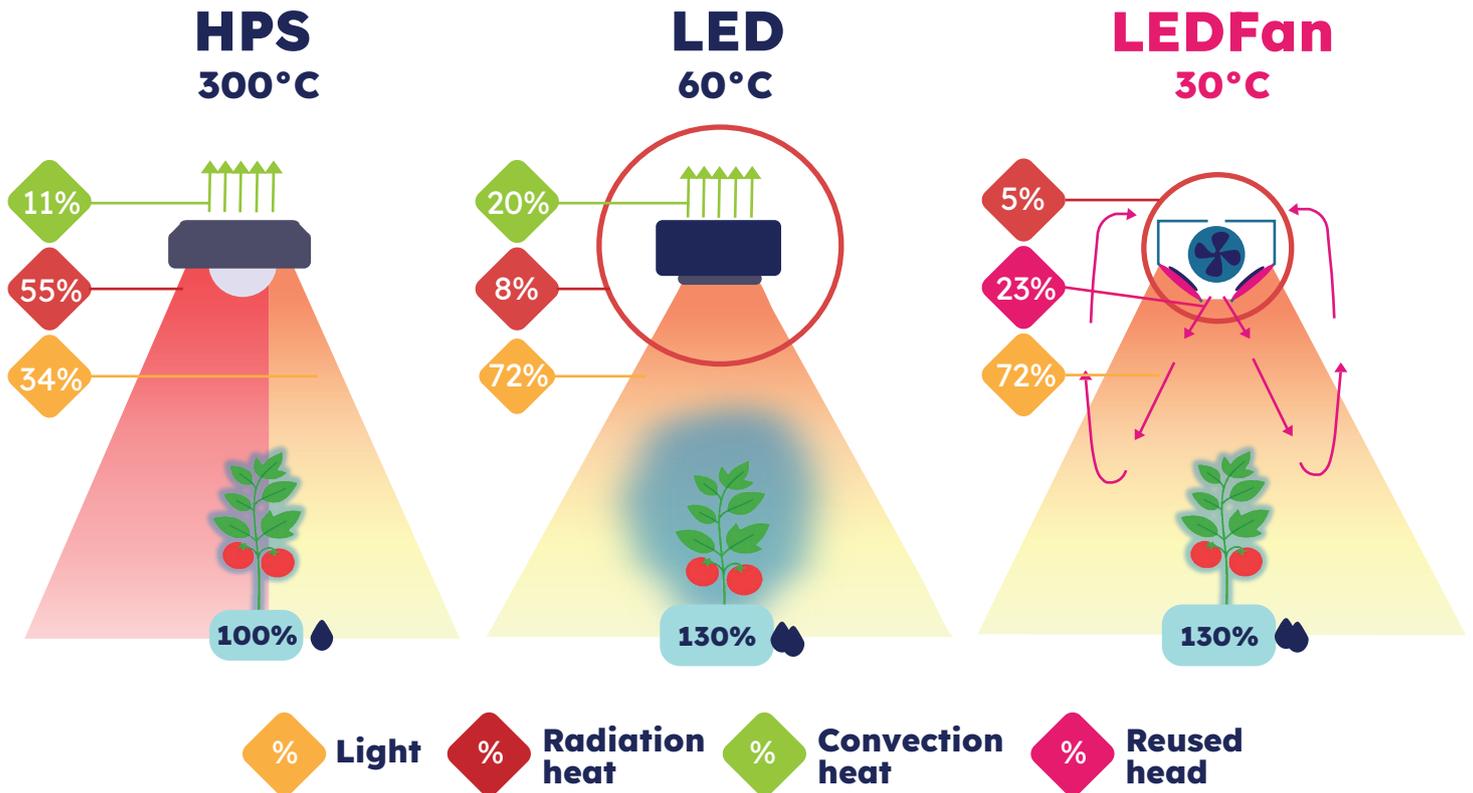
## INTEGRATED WIRELESS MULTICHANNEL CONTROL



- **1 control device = infinite number of fixtures**
- **Two-way communication**
- **Grid balancing with aFRR (<1s)**

STANDALONE  
OR  
CLIMATE COMPUTER  
CONTROL

# WHAT IS THE LEDFAN EFFECT?

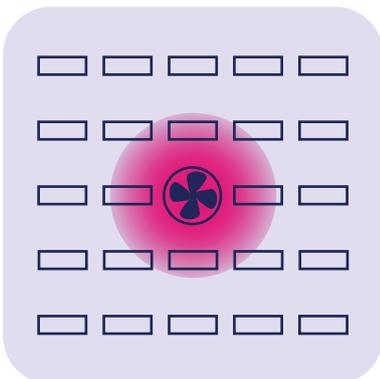


## 3 PILLARS OF LEDFAN

- Remove the excess humidity resulted by LED transition.
- Create a similar plant energy balance as HPS by reusing the wasted LED heat.
- Boosts photosynthesis with homogeneous controllable warm airflow.

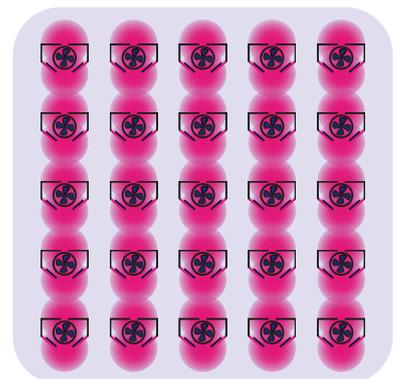
## AIR MOVEMENT

Your greenhouse with LED & Fan combination



- ✗ Only one single point of airflow
- ✗ Decreased homogeneity

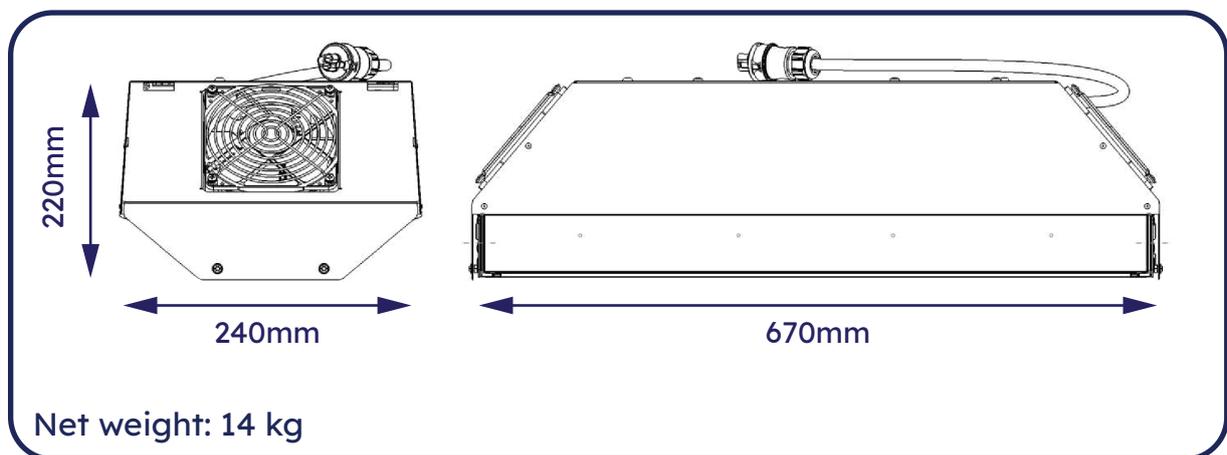
Your greenhouse with LEDFan



- ✓ Multiple points of airflow
- ✓ Creates better homogeneity

# LEDFAN AIR+ IN NUMBERS

Air Movement	600m <sup>3</sup> /h
Typical photon flux	3.000 - 4.700 umol/s
Max Power	1250W
IP rating	IP66
Warranty	5 year limited warranty
Control	Wireless
Rated Lifetime	L90>50.000 hours
Efficacy range	3,3 - 4,3 umol/J
Dimming Window	0%, 10%-100%
THD	<10%
Power factor	0,98
Cooling	Passive & Active
Ambient temperature	0-40°C



SCAN  
TO KNOW MORE



APPLICATION AREA  
INCLUDES  
FRUITS, VEGETABLES  
AND FLOWERS.



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