



3700
μMol/s

3.7
μMol/J

THE DUTCH POWERHOUSE FOR CANNABIS

INDOOR & GREENHOUSES

ADVANTAGES WATER COOLED LED FIXTURES

- Best price per micromol in the industry
- Huge HVAC savings due to water-cooling
- Higher cannabinoids
- Shorter cycles



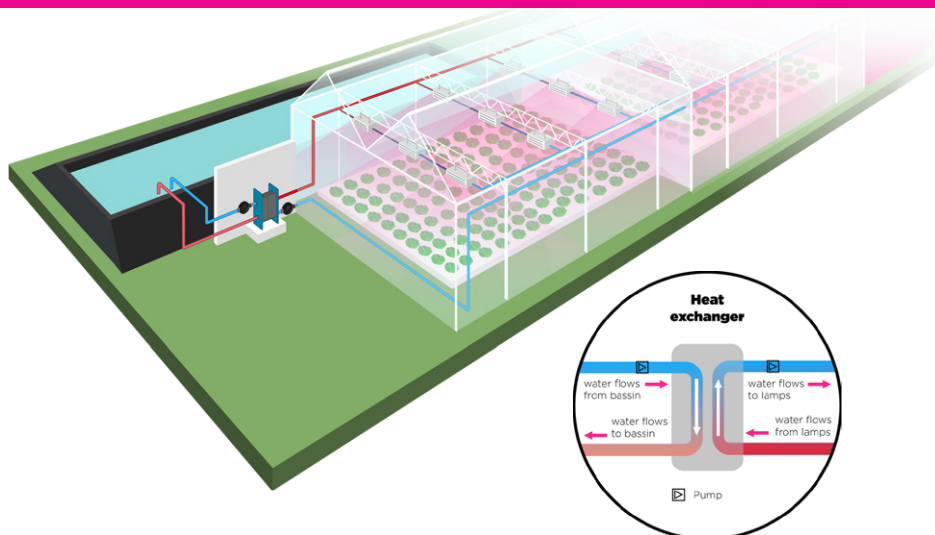
DISCOVER THE ENDLESS ADVANTAGES OF THE UNIQUE WATER-COOLING TECHNOLOGY!

Looking for high lighting levels without heating the environment?

As a result of active water-cooling, Oreon fixtures produce the highest output and efficiency. Besides that, the ambient temperature stays low and stable and there is less CO₂ loss.

Improve cannabinoids, while saving on electrical costs?

A stable and controllable growing environment while using less power compared to HPS.



GROWING BENEFITS

Climate control

Even high efficient LED fixtures produce heat. Oreon water cooled LED fixtures remove this heat out of the growing area. Therefore the temperature stays low and stable.

No odor distribution

Because the ambient temperature is lower, there is no need to ventilate.

Less shadow

To avoid shade in greenhouses the LED fixture is designed as compact as possible and can be mounted directly under the trellis, so natural daylight is optimally used.

CROP QUALITY

Spectrum

The Dutch Powerhouses produce the highest light output and is available in various and customized spectra.

Year-round high quality

High amount of cannabinoids and same quality during the year.

Shorter growing cycles

Research and experience show much shorter grow cycles.

Photosynthetic capacity

First trials at Wageningen University show a higher photosynthetic capacity, resulting in stable growth and therefore higher yields under full LED compared to full HPS.



WAGENINGEN
UNIVERSITY & RESEARCH

cooperation
since 2016

SAVINGS

More light per watt

75% more light can be produced with LED compared to HPS with the same electric power.

HVAC savings

Low heat in growing climate means lower HVAC investments.

Maintenance free

The LED fixtures are maintenance free and completely waterproof (IP67). When the growing area is cleaned there is no need to remove the fixtures.

Lifespan

The average HPS fixture needs to be replaced after 10,000-16,000 hrs. A water cooled LED fixture keeps more than 90% of its light output in at least 95% of the fixtures after 50,000 hours.

V210209

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