



PRESS RELEASE

Lorentzlaan 6
3401 MX IJsselstein
The Netherlands

HUGE EFFICIENCY STEP IN WATER-COOLED LED GROW LIGHTS OF OREON

+31 (0)30 76 00 660
info@oreon-led.com
www.oreon-led.com

IJSSELSTEIN, February 4th, 2019. Oreon, Dutch-based innovative developer of high-end LED grow lights, presents its new fixture at the Fruit Logistica exhibition in Berlin, Germany. This latest model produces a light output up to 2080 $\mu\text{Mol/s}$ with an efficiency of 3.1 $\mu\text{Mol/J}$. The Oreon Grow Light 3.0 is therefore the most efficient high output LED fixture in the market.

Efficient in multiple ways

The water-cooled Oreon Grow Light 3.0 has a light output of 2080 $\mu\text{Mol/s}$ and a power consumption of only 670W. This means 15% more light output and a 15% efficiency improvement compared to the previous generation.

This LED fixture can easily replace even the best HPS fixtures in the market, while producing almost 10% more light and saving 40% energy. Compared to other LED fixtures, the Oreon Grow Light 3.0 is extremely powerful, resulting in less required fixtures. This saves on installation cost, but more importantly — less natural sunlight is blocked.

Water-cooling advantages

Oreon LED fixtures operate on an active water-cooling system which comes with a number of advantages. There is no radiation heat from the lamps, resulting in a more stable climate and making it easier to maintain greenhouse temperature and CO_2 levels. An extra economic advantage is the opportunity to reuse the recovered energy. What's more, the active water cooling ensures a low fixture operating temperature which benefits both the light output and the lifetime of the driver and LEDs.

This latest model retains all of the qualities and characteristics that makes the Oreon Grow Light so popular, from its rugged design, glass LED cover and IP67, to its low operating temperature and easiness to maintain.

The new 3.0 model is suitable for voltages ranging from 200V up to 480V, making it ideal for all types of electrical installations. The Oreon Grow Light 3.0 is available in a broad range of light spectra and comes with different lenses that result in either a wide or narrow beam angle to give the best uniformity on the crop.

Oreon will be exhibiting at the Fruit Logistica from the 6th till the 8th of February 2019 in hall 3.2, booth C-26.

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For more information, please contact:

Company: Oreon
Name: Pien Stams (Marketing Product Manager)
Contact: p.stams@oreon-led.com | +31(0)642733190

Oreon is the Dutch innovative developer and manufacturer of high-tech LED grow lights for greenhouse horticulture. Oreon started its research and intensive testing of the fixtures and technology more than ten years ago. The first commercial project with water-cooled LED fixtures was installed in a greenhouse in 2009. Now Oreon's LED fixtures are used across the world in greenhouse horticulture, above a variety of different crops. Oreon stands for innovation, quality and flexibility. Our mission is to offer growers specific LED lighting solutions, in order to further optimise their growth and business case. The market potential is constantly developing and the demand for artificial lighting is increasing rapidly. Oreon works closely together with renowned parties across the world.