

# GET READY FOR THE EVOLUTION OF OUR XTREME SERIES LED...THE MK



SYSTEM EFFICACY UP TO  
**3.4  $\mu\text{mol}/\text{J}$**   
 @ 400V

PATENTED  
 DEEP LIGHT PENETRATION  
**IMPROVED OPTICS**  
 ULTRA HIGH TRANSMITTANCE LENS

PATENTED  
 RGB LED  
**AUXILIARY LIGHT PIPE**  
 65K COLORS

PATENTED  
**NEGATIVE ION + COLD PLASMA**  
 GENERATOR

**PATENTED NEGATIVE ION + COLD PLASMA GENERATOR** REDUCING BACTERIA, MOLD, VIRUSES, AND OTHER AIRBORNE PATHOGENS **HIGHER EFFICACY** UP TO 3.4  $\mu\text{mol}/\text{J}$  **IMPROVED OPTICS** **PATENTED** DEEP LIGHT PENETRATION ULTRA HIGH TRANSMITTANCE LENS



**DIMLUX**

# PATENTED NEGATIVE ION + COLD PLASMA GENERATOR

## REDUCING BACTERIA, MOLD, VIRUSES

The extremely powerful negative ions flow is created and expelled from the ionic optics and sends out electrically charged negative ions into the air that bond with pathogens. Once a bond is made, these particles become too heavy to stay in the air. This results in the contaminants falling to the floor. It is also possible to create positive ions which in combination with negative ions bond to pathogens and because of the energy that comes free the pathogen will be destroyed. The ratio between the negative and positive ions can be selected by the customer based on the pathogen that's needs to be neutralised.

Ions have a very short lifespan from a few seconds to multiple seconds, because of this the ions must be generated as close to to crop as possible to get the desired result. Due to the ionic optics that are close to the crop and each fixture covers its own micro area, the ions are at full strength when they reach the crop and are therefore extremely effective.

The ionic optics create no detectable ozone (well below OSHA standard). Fully safe for growing plants.



LIGHT OUTPUT TOTAL  
**3570  $\mu\text{mol/s}$**   
(PPF 350-800NM)

### HIGHER EFFICACY

UP TO 3.4  $\mu\text{MOL/J}$

Thanks to completely redesigned drivers and the implementation of improved top-class Dimlux LEDs in combination with our patented secondary optics, efficiency is pushed to new heights of up to 3.4  $\mu\text{mol/J}$ .

### IMPROVED OPTICS

PATENTED DEEP PENETRATION  
ULTRA HIGH TRANSMITTANCE LENS

The newly designed MKII optics reduce internal reflections towards the LED to an absolute minimum. This results in even higher light transmission than the MKI optics.

## GET READY FOR THE FUTURE WITH THE NEW XTREME SERIES LED

**DIMLUX**

