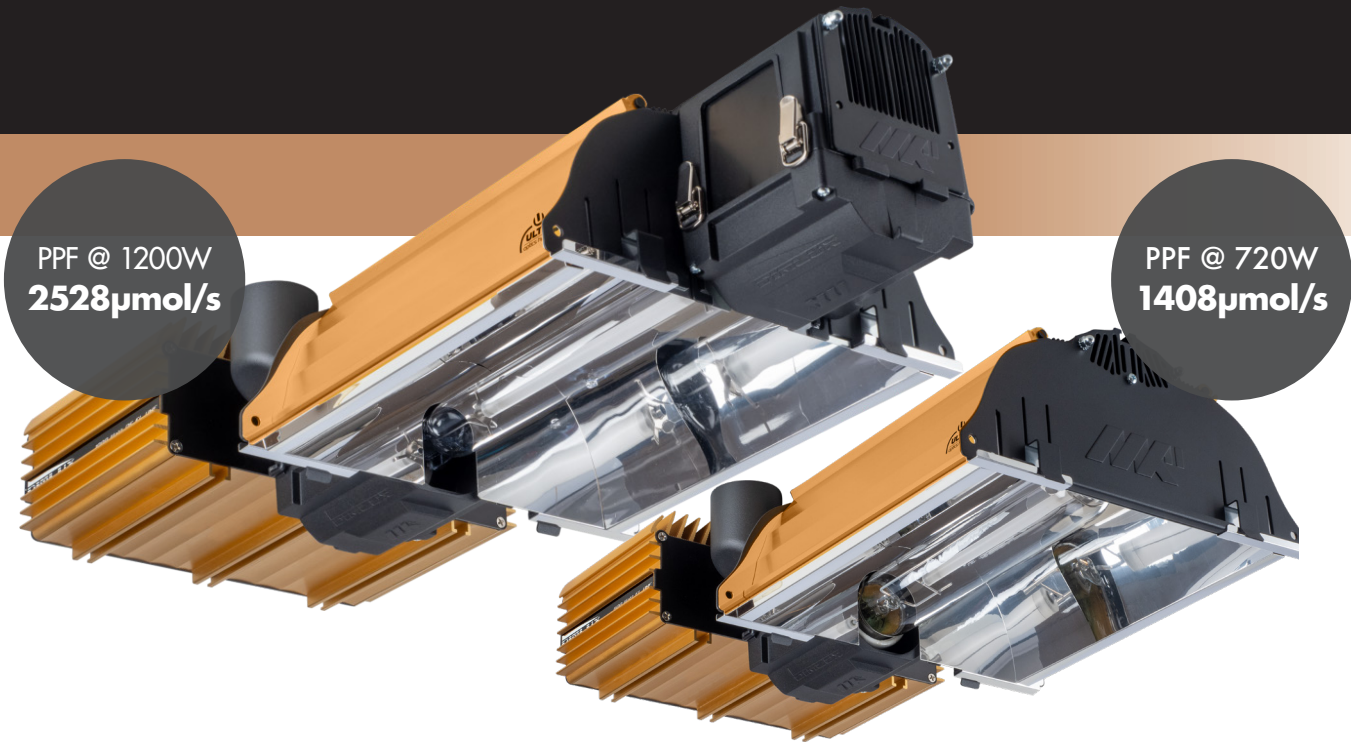




# INTRODUCING THE NEW DIMLUX EXPERT SERIES MKII



PPF @ 1200W  
2528 $\mu$ mol/s

PPF @ 720W  
1408 $\mu$ mol/s

**HIGHEST REFLECTOR EFFICIENCY  
IN THE HORTICULTURAL  
INDUSTRY!**

**98%**

**OUR NEW BALLASTS  
HAVE AN INCREASED  
EFFICIENCY UP TO**

**30%**



# MORE EFFICIENT, MORE FUNCTIONAL, MORE COMPACT, LIGHTER AND SMARTER!



The MKII is standard equipped with the Ultra Optics Hybrid 98 reflector. This reflector ensures both deep light penetration into the crop and a large overlap with other fixtures for better uniformity. The Hybrid reflector is the ideal reflector for most applications.

The Ultra Optics Hybrid 98 reflector is easy to remove, clean, or replace with another type of reflector from the Ultra Optics range to achieve the most efficient configuration for your crop.



The rotary knob has been replaced by a push button with which the status can be set on the new 4 digit display. The status and error codes are now displayed in full instead of with a code.

The Dimlux Expert MKII is equipped with an extra interconnect port (Smartport) that can be used universally.

Another ballast can be connected to the Dimlux Expert MKII, but also, for example, a plant temperature camera or humidity sensor.

# DIMLUX

## EXPERT SERIES

The MKII upgrade is a more efficient, functional and smarter light fixture. The electronics produce less heat and the ballast housing is more compact. Therefore, the ballast is even more efficient and lighter.

### 4 DIGIT DISPLAY WITH 8 DIM OPTIONS WITH 2 SPECIAL "BOOSTS"

Status and alarms will be displayed on this display. The DimLux Expert Series MKII ballast achieves the highest possible light output due to the overdrive technology (boost) in combination with the 400V control.

#### Single push button for setting the power output:

**Dimlux Expert 1000W** in steps of 500, 600, 700, 800, 900, 1000, 1100, 1200W.

**Dimlux Expert 600W** in steps of 320, 390, 460, 530, 600, 645, 720W.

### EASY REMOVABLE ULTRA OPTICS REFLECTOR

Standard equipped with the Ultra Optics Hybrid 98 reflector. This reflector has the highest reflector efficiency in the market with 98% total efficiency, achieved through Miro 98 (99.99% silver) and the SBCS (Single Bounce Clear Sight) principle.

Easy to replace with the Ultra Optics Wide 98 reflector or Ultra Optics Deep 98 reflector. Both reflectors have a 98% efficiency just like the Ultra Optics Hybrid 98.

The main goal in designing the Ultra Optics Reflector was to achieve the highest efficiency (light output) possible. It's designed according to the SBCS (Single Bounce Clear Sight) principle which means that each light beam reflects only one single time in the reflector and then goes out directly (Single Bounce).

After reflection, the beam is not hindered by the lamp or other parts (Clear Sight). The design from the reflector is optically perfect so that no hammered or textured pattern is needed to spread hotspots. Hammered or textured reflective reflectors are made to improve uniformity and create undesirable multiple reflections inside the reflector and cause internal reflections from the reflector to the lamp causing a decrease in efficiency. These techniques used in our reflector combined with the use of Miro Silver mirror will provide unparalleled results.



# EXPERT SERIES

## 600W MKII

Highest reflector efficiency in the horticultural industry!

**98%**

Our new ballasts have an increased efficiency up to

**30%**



### FEATURES

- Unparalleled and highly efficient ballast driver: 97% efficient, 30% less losses, lighter and up to 30% more compact.
- Standard equipped with the Ultra Optics Hybrid 98 reflector. This reflector has the highest reflector efficiency in the market with 98% total efficiency, achieved through Miro 98 (99.99% silver) and the SBCS (Single Bounce Clear Sight) principle.
- Easy to replace with the Ultra Optics Wide 98 reflector or Ultra Optics Deep 98 reflector. Both reflectors have a 98% efficiency just like the Ultra Optics Hybrid 98.
- Single push button for setting the power output.
- 4-Character status display with scrolling text. Status and error codes are fully displayed on this display.
- Closed ballast design, for better protection of the electronics.
- Controllable with current Maxi Controller and ready for the future digital controller platform.

### SPECIFICATIONS DIMLUX EXPERT SERIES 600W MKII

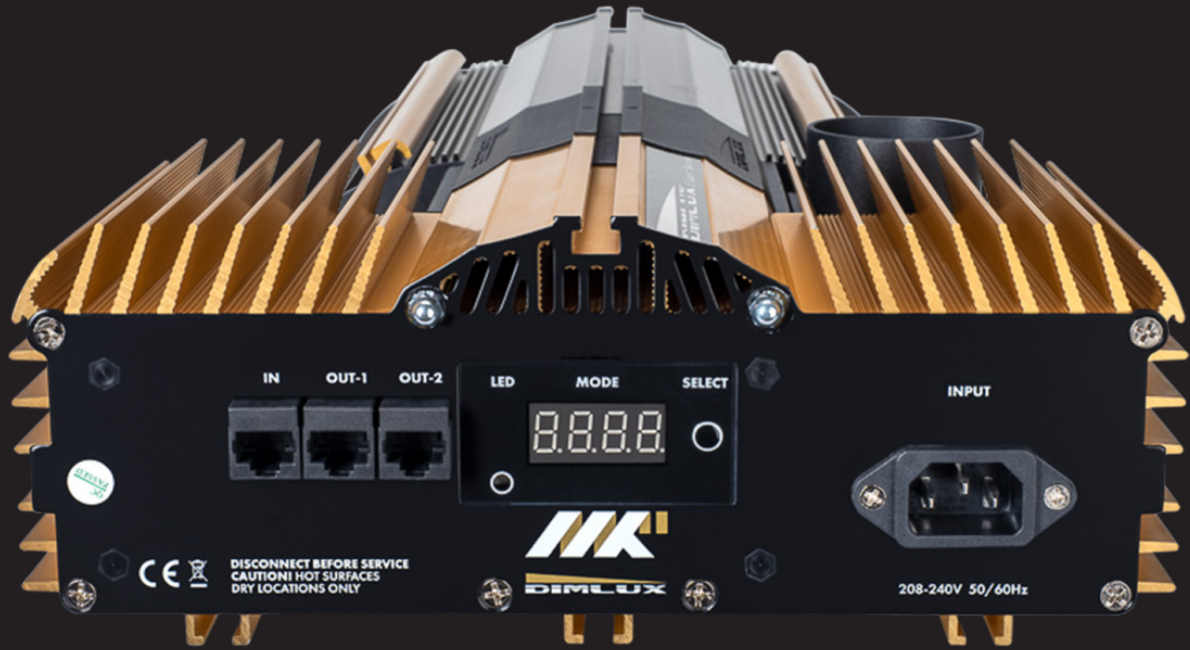
Voltage:	230V ±10V
Input Power @100%:	621W
Input Current @100%:	2,7A
Input Power @boost:	758W
Input Current @boost:	3,27A
Input Frequency:	50/60Hz
Power Factor:	0,99
System PPF:	1408µmol/s @720W
Ultra high freq. (UHF):	Yes
Controller:	Maxi Controller
Dimensions:	550 × 275 × 130mm
Weight:	6.3kg
Lamp:	Philips Greenpower 600W 400V EL

# EXPERT SERIES 1000W MKII



## SPECIFICATIONS DIMLUX EXPERT SERIES 1000W MKII

Voltage:	230V $\pm$ 10V
Input Power @100%:	1035W
Input Current @100%:	4,5A
Input Power @boost:	1242W
Input Current @boost:	5,4A
Input Frequency:	50/60Hz
Power Factor:	0,99
System PPF:	2528 $\mu$ mol/s @1200W
Ultra high freq. (UHF):	Yes
Controller:	Maxi Controller
Dimensions:	675 x 275 x 130mm
Weight:	6.3kg
Lamp:	Philips Greenpower Extra 1000W DE 400V



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**DIMLUX**

