

# 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The rotary knob has been replaced by a push button with which the status can be set on the new 4 digit display.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.

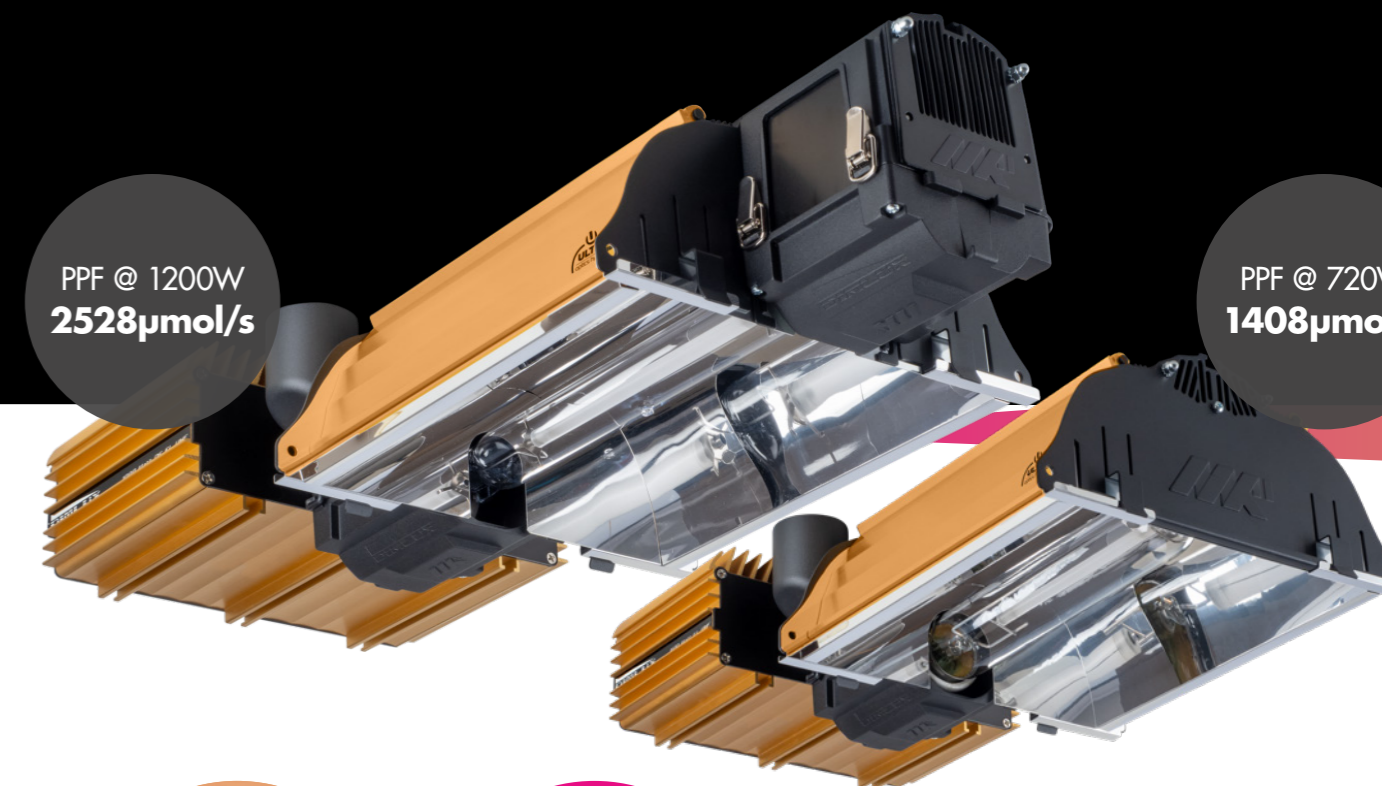
The Dimlux Expert MKII is equipped with an extra interconnect port (Smartport) that can be used universally.

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

**THE FUTURE OF GROWING  
JUST GOT BRIGHTER.**



# DIMLUX EXPERT SERIES MKII



PPF @ 1200W  
**2528µmol/s**

PPF @ 720W  
**1408µmol/s**

Highest reflector efficiency in the horticultural industry!

**98%**

Our new ballasts have an increased efficiency up to

**30%**



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JUST GOT BRIGHTER.**

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Made in Holland [www.dimlux.nl](http://www.dimlux.nl)

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**THE FUTURE OF GROWING  
JUST GOT BRIGHTER.**

# DIMLUX MKII

## EXPERT SERIES

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

### 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). This makes it possible to get a higher percentage light output.

**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, 660, 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 ray reflects only a single time in the reflector before exiting (Single Bounce). After reflection, the beam is not hindered by the lamp or other parts (Clear Sight).

The design of 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, but create undesirable multiple reflections inside the reflector and cause reflections from the reflector to the lamp causing a decrease in efficiency. The techniques used in our reflector combined with the use of Miro Silver mirror will provide unparalleled results.

### COMING SOON! DIMLUX EXPERT SERIES 1000/1250W

This Dimlux Expert Series 1000/1250W MKII with a newly developed special 1250W lamp on the market, this new combination will redefine the efficiency standard and be able to compete with many LED fixtures.

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% efficiency, 30% less losses, lighter, and 30% more compact than the old Dimlux Expert Series 1000W.
- 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 **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, 660, 720W.
- 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 the upcoming Smart Protocol platform.

## EXPERT SERIES 600W MKII



### SPECIFICATIONS DIMLUX EXPERT SERIES 600W MKII

<b>System PPF @720W</b>	<b>1408µmol/s</b>
Lighting surface	@600W = min. 0.78m <sup>2</sup> , max. 2m <sup>2</sup> @720W = min. 0.95m <sup>2</sup> , max 2.4m <sup>2</sup>
Power consumption @600W	621W 2.7A at 230V
Power consumption @boost 720W	745W 3.2A bij 230V
Voltage:	230V ±10V
Light source	Philips Greenpower 600W
Dim levels:	Soft-Off, 320W, 390W, 460W, 530W, 600W, 645W, 720W
Reflector	Ultra Optics 98
Active extraction	50mm Ø
Ultra High Frequency (UHF)	Yes
Input Frequency:	50/60Hz
Power Factor:	> 0.99
Controller	Maxi Controller
Dimensions	550mm x 275mm x 130mm
Weight	5.1kg

## EXPERT SERIES 1000W MKII



### SPECIFICATIONS DIMLUX EXPERT SERIES 1000W MKII

<b>System PPF @1200W</b>	<b>2528µmol/s</b>
Lighting surface	@1000W = min. 1.4m <sup>2</sup> , max. 3.3m <sup>2</sup> @1200W = min. 1.65m <sup>2</sup> , max 4m <sup>2</sup>
Power consumption @1000W	1035W 4.5A at 230V
Power consumption @boost 1200W	1242W, 5.4A bij 230V
Voltage:	230V ±10V
Light source	Philips Greenpower 1000W
Dim levels:	Soft-Off, 600W, 700W, 800W, 900W, 1000W, 1100W, 1200W
Reflector	Ultra Optics 98
Active extraction	50mm Ø
Ultra High Frequency (UHF)	Yes
Input Frequency:	50/60Hz
Power Factor:	> 0.99
Controller	Maxi Controller
Dimensions	675x275x130mm
Weight	6.3kg

