

Dear Client,

This is the catalog of the Climate Factory ©

Please be aware that we have created this catalog with great accuracy and commitment. Nevertheless, we are just ordinary people that can make mistakes. So please, if you find something incorrect, let us know! In this way you will help us improving our service towards you.

Having said so, this catalog must not be judged as a binding offer or binding invitation to order based on the content.

The latest version of our catalog is always published on our website. www.theclimatefactory.shop

Orders can be placed through our website and of course, our General Terms and Conditions can be found there as well and are applicable on all our transaction.

Yours sincerely,

The Climate Factory



The Climate Factory is an innovative and advanced ideas company, with over 10 years of experience, specialized in design, technical service and professional advice for the design of growingrooms.

Our goal is to sell products that offer the best performance in every way. We design intelligent and efficient cultivation rooms, using expert techniques of environmental control that allow you to always have the best control of light and climate for your crop.

To achieve this goal, our products have the most advanced technology on the market, with which you can maintain the most optimal and efficient conditions for your crop. We offer a high temperature control, Co2, VPD, humidity and light so that you can aspire to obtain maximum performance and so that our customers can compete in new markets or simply cultivate their own high quality products.

For any questions about sales or technical service, please contact us.

info@theclimatfactory.com

+32 14480224
+49 28239453001
+34 932202885
+44 2036085223



INDEX

DIMLUX	4
DIMLUX FIXTURES	5
DIMLUX BALLASTS	9
DIMLUX PRO	10
DIMLUX XTREME SERIES LED	12
DIMLUX XPLORE SERIES LED.....	19
DIMLUX ACCESSORIES	21
DIMLUX BULBS	29
 OPTICLIMATE	 31
OPTICLIMATE MODELS	32
OPTICLIMATE ACCESSORIES	36
WATER COOLERS	46
 OPTICLIMATE CO2.....	 50
CO2 ACCESSORIES/CONTROLLERS	51
CO2 GENERATORS	53
 UVONAIR	 55

DIMLUX

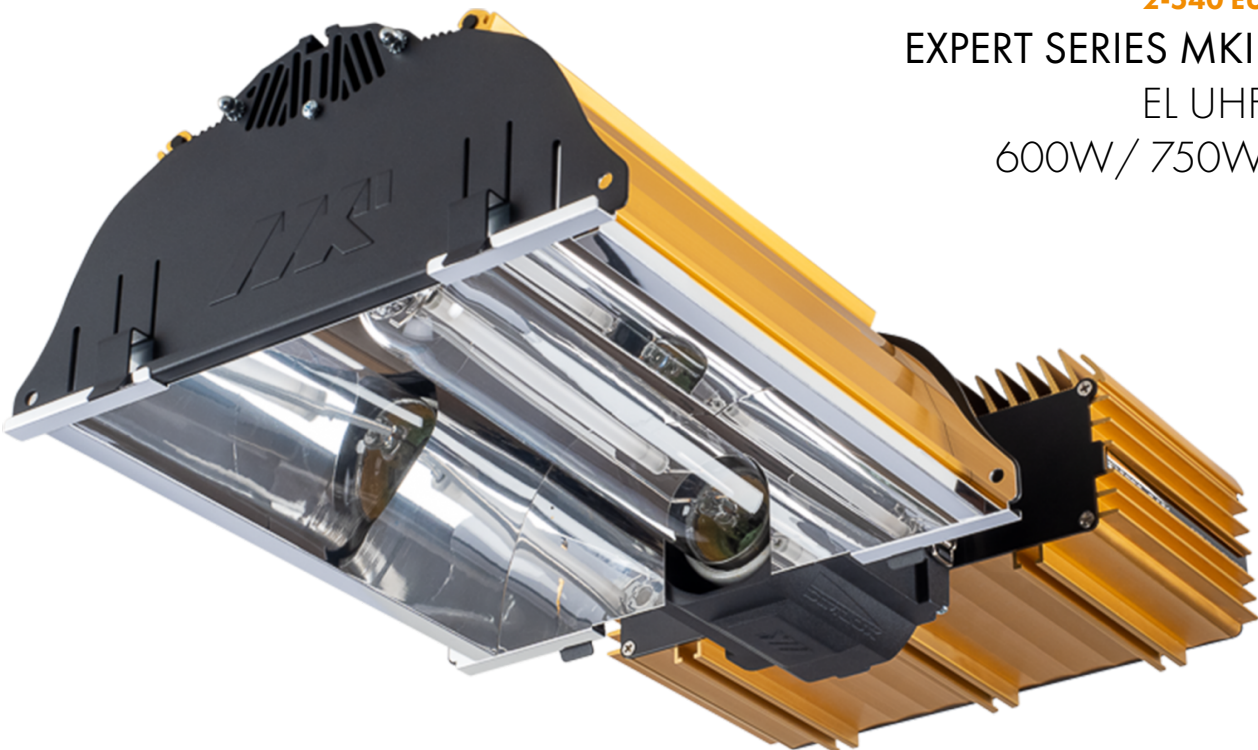


**OPTIMAL CONTROL,
MAXIMUM
PERFORMANCE!**

DIMLUX EXPERT SERIES

FIXTURES

2-540 EU
EXPERT SERIES MKII
EL UHF
600W/ 750W



FEATURES

- Equipped as standard 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.
- Easily replaceable 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.
- A single push button for setting the power output (dim levels: Soft-Off, 320W, 390W, 460W, 530W, 600W, 650W, 750W).
- 4-character status display with scrolling text. Status and error codes are fully displayed on this display. Status and error codes are now displayed in full rather than with a cryptic number.
- Closed-ballast design, for better protection of electronics.
- Controllable with current Maxi Controller and ready for future digital controller platform.

Voltage	230V +- 10V
Light Output PAR (PPF 400-700nm)	1506µmol/s @750W
Light Output PAR Total (PPF 350-800nm)	1657µmol/s @750W
System Photon Efficacy PAR (PPE 400-700nm)	1,94µmol/J @700-750W
System Photon Efficacy PAR Total (PPE 350-800nm)	2,13µmol/J @700-750W
Power consumption @600W	616W 2.7A at 230V
Power consumption @750W	770W, 3.4A at 230V
Input frequency	50/60Hz
Power factor	0,99
Ultra-high freq (UHF)	Yes
Controller	Maxi-controller
Dimensions	550 x 275 x 130mm
Weight	6,5 kg
Bulb	DXO HPS 400V 600/750W EL



2-533 EU

EXPERT SERIES MKII

DE EL UHF

1000W/ 1250W

FEATURES

- Equipped as standard 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.
- Easily replaceable 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.
- A single push button for setting the power output (dim levels: soft-off, 600, 700, 800, 900, 1000, 1125 and 1250W).
- 4-character status display with scrolling text. Status and error codes are fully displayed on this display. Status and error codes are now displayed in full rather than with a cryptic number.
- Closed-ballast design, for better protection of electronics.
- Controllable with current Maxi Controller and ready for future digital controller platform.

Voltage	230V +- 10V
Light Output PAR (PPF 400-700nm)	2558 µmol/s @1200W
Light Output PAR Total (PPF 350-800nm)	2813 µmol/s @1200W
System Photon Efficacy PAR (PPE 400-700nm)	2,07µmol/J @1150-1200W
System Photon Efficacy PAR Total (PPE 350-800nm)	2,27µmol/J @1150-1200W
Power consumption @1000W	1035W 4.5A at 230V
Power consumption @1250W	1289W, 5.6A at 230V
Input frequency	50/60Hz
Power factor	0,99
Ultra-high freq (UHF)	Yes
Controller	Maxi-controller
Dimensions	550 x 275 x 130mm
Weight	7,5 kg
Bulb	DXO HPS 400V 1000/ 1250W DE EL



2-534 EU

EXPERT SERIES CALIFORNIA SPEC MKII

DE EL UHF

1000W/ 1250W

FEATURES

- Engineered to surpass the stringent 2022 (2023) California Energy Code.
- Equipped as standard 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.
- Easily replaceable 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.
- 4-character status display with scrolling text. Status and error codes are fully displayed on this display. Status and error codes are now displayed in full rather than with a cryptic number.
- Closed-ballast design, for better protection of electronics.
- Controllable with current Maxi Controller and ready for future digital controller platform.
- Dimlux Xtreme Output California Spec HPS 400V 1000/ 1250W DE EL bulb
- A single push button for setting the power output (dim levels: Soft-Off, 600W, 700W, 800W, 900W, 1000W, 1100W, 1250W)

Voltage	230V +- 10V
Light Output PAR (PPF 400-700nm)	2724µmol/s @1250W
Light Output PAR Total (PPF 350-800nm)	3008µmol/s @1250W
System Photon Efficacy PAR (PPE 400-700nm)	2,12µmol/J @1100-1250W
System Photon Efficacy PAR Total (PPE 350-800nm)	2,34µmol/J @1100-1250W
Power consumption @1000W	1035W 4.5A at 230V
Power consumption @1250W	1250W, 5.6A at 230V
Input frequency	50/60Hz
Power factor	0,99
Ultra-high freq (UHF)	Yes
Controller	Maxi-controller
Dimensions	550 x 275 x 130mm
Weight	7,5 kg
Bulb	Dimlux Xtreme Output California Spec HPS 400V 1000/ 1250W DE EL bulb

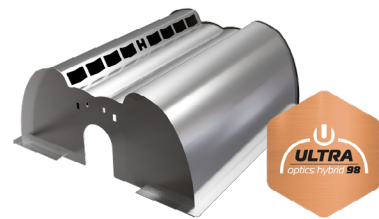
DIMLUX EXPERT SERIES

ULTRA OPTICS REFLECTORS



The type of reflector is determined by the type of crop, the canopy, and the length of the plant. Room dimensions, such as floor length to width ratio, perimeter to floor area ratio, ceiling height and paths, also contribute to reflector selection.

Our new range of Ultra Optics Reflectors are easy to remove, clean or replace with another type of Ultra Optics reflector to achieve the most efficient configuration for your crop.



ULTRA OPTICS HYBRID 98%

The Hybrid reflector provides both deep light penetration into the crop, and a large overlap with other fixtures for better uniformity. The length to width ratio of the light image is 1:1.3 (rectangular). The Hybrid reflector is the ideal reflector for most applications because it combines the advantages of the Wide and Deep reflectors. This reflector can be used with all types of crops.

For a fixture distance of 1.2 by 1.6m (1.92m²), the recommended height is 80cm.



ULTRA OPTICS DEEP 98%

The Deep reflector provides extremely deep light penetration into the crop. Because the Deep reflector radiates downwards instead of sideways, the losses through walls and paths are minimal. The length to width ratio of the light image is 1:1 (square). This reflector can be used with plants that are taller than about 75 cm or have dense foliage (plants further apart or very dense plants). It is also ideal when used in a grow tent, where there are otherwise more losses from reflections through the walls than in a larger space.

ULTRA OPTICS WIDE 98%



The Wide reflector ensures an extremely wide beam pattern so that only a small distance is required between the crop and the reflector. Thanks to the wider beam angle the distance to the crop with a 1000W fixture is comparable to a regular 600W system. The length/width ratio of the light image is 1:2 (rectangular). The long side of the rectangle is perpendicular to the lamp.

This reflector can be used with crops that are lower than about 75 cm or have an open canopy (more space between the plants or less dense plants). It is also ideal when used in rooms with low ceilings or that have a rectangular cultivation area.

With a fixture distance of 1 by 2m (2m²) the advised height is 60cm.

The Wide reflector is also ideal for combining HID fixtures with LED fixtures.

DIMLUX EXPERT SERIES

BALLAST



In the field of digital ballasts DimLux is the most quiet system, there are hardly any vibrating or buzzing noises and no buzzing and / or chattering noises in the relay can be heard.

The DimLux can be used as normal (digital) ballast in a normal system with relay and timer. However, if the DimLux is used in combination with the DimLux Maxi Controller you will get the maximum performance and can use all the features of the DimLux in its full advantage.

2-542

XTREME SERIES MKII 400W-600W DIM BUTTON

- Suitable for: 600W or 400W
- Output: 250-660 Watt
- Connection: 230V
- Overdrive: 10% Overdrive with 600W lamps and 20% Overdrive with 400W lamps (Sylvania GroLux)
- Soft Start: Low inrush for use without Maxi Controller and Zero start (no inrush) for use with the Maxi Controller
- Soft Dim: Yes
- Dim Button: 7 dim levels and off mode. Can be switched on and off via the Maxi Controller as well as stepless dimming
- Ultra High Frequency: No
- Diagnostic LEDs: Yes
- Including: 4m cable and plug

Dim button with 7 Dim levels and Soft-Off:

- Soft Off
- 250 Watt
- 320 Watt
- 400 Watt
- 440 Watt Boost 10% at 400 Watt
- 480 Watt Boost 20% at 400 Watt
- 600 Watt
- 690 Watt 15% Overdrive with 600W lamps 20% Overdrive with 400W lamps

2-543

XTREME SERIES MKII 600W EL UHF DIM BUTTON

- Suitable for: Bulbs 600W 400V EL UHF
- Output: 320-690 Watt
- Connection: 230V
- Overdrive: 15%
- Soft Start: low inrush for use without Maxi Controller and Zero start (no inrush) for use with the Maxi Controller
- Soft Dim: Yes
- Dim Button: 8 dim levels and off mode. Can be switched on and off via the Maxi Controller as well as stepless dimming
- Ultra High Frequency: Yes
- Diagnostic LEDs: Yes
- Including: 4m cable and plug

Dim button with 7 Dim levels and Soft Off:

- Soft Off
- 320W
- 390W
- 460W
- 530W
- 600W
- 645W Boost
- 720W Boost 20%

DIMLUX PRO SERIES

FIXTURES



DIMLUX PRO SERIES 1000W

DIMLUX PRO SERIES

FIXTURES



2-733 (400V)
2-734 (240V)

PRO SERIES DIMLUX 1000W

Environment

The product is designed to be used in greenhouses and Climate Rooms - because of the closed ballast can it be used in higher damp environments. The fixture may not be used in wet environments or outdoors. the best environment is to use it in an ambient with a temperate between 20-30 degrees.

Miro 95

The fixture has a Miro 95 (99,99 aluminium) instead of Miro Silver. Silver could deteriorate when exposed to high humidity.

SBCS

(Single Bounce Clear Sight) reflector design for the highest efficiency and light output.

Passive cooled reflector

In order to get the optimum lamp temperature and highest light output.

Dimlux Pro Series 1000W	230V	400V
AC	2-734	2-733
Ultra High Frequency (UHF)	Yes	Yes
Controller	Maxi Controller / By WIFI	Maxi Controller / By WIFI
Measurements (L *W*H)	538 x 248 x 115 mm	538 x 248 x 115 mm
Weight	4,1 kg	4,1 kg
Boost	15%	15%
Power Inlet	230V Power plug 2m	Ep 3 PINS 400V F
Reflector	Single Bounce Clear Sight	Single Bounce Clear Sight
Light Source	HPS 1000W HPS 2K 2100µmol/s	HPS 1000W HPS 2K 2100µmol/s
Certifications	CE	CE
System PPF@ 1000W	2016µmol/s	2016µmol/s
System PPE@ 1000W	1,955µmol/J	1,955µmol/J
System PPF@ 1150W	2339µmol/s	2339µmol/s
System PPE@ 1150W	1,97µmol/J	1,97µmol/J
Power Factor	<0,95	<0,95
Voltage	230V	400V
Input power @ 100%	1035W	1032W
Input current @ 100%	4,55A	2,6A
Input power @ boost	5,2A	3,0A
Input frequency	50/60 Hz	50/60 Hz

Closed ballast

The pro series will have a closed ballast instead of an open ballast. This to prevent moisture getting into the ballast.

Geo membrane

This to equalize the pressure inside and outside the ballast, this is to prevent moisture getting into the ballast when cooling off.

Spirit level

The PRO series contains a spirit level because the illuminated surface is much larger then standard indoor lighting (solutions). This spirit level enables easier installation with good (light) uniformity and the prevention of shadows

Easy changeable reflector

The reflector could be changed at high heights very quick and easy.

White colour

In order to prevent overheating the ballast by light absorption and reflect more usable light to the canopy instead of absorbing it.

Vertical ballast

The ballast will be mounted vertically to decrease the amount of light which is intercepted by the fixture. We have done all possible simulations in CAD and this design had the least light interception during a full day light cycle.

Dim switch

The pro series can be remote controlled and controlled by the dim switch.

Boost

The pro serie will have 1000W bulb and in boost it can go up to 1150W.

4 digits info display

Status and alarms will be displayed on this display

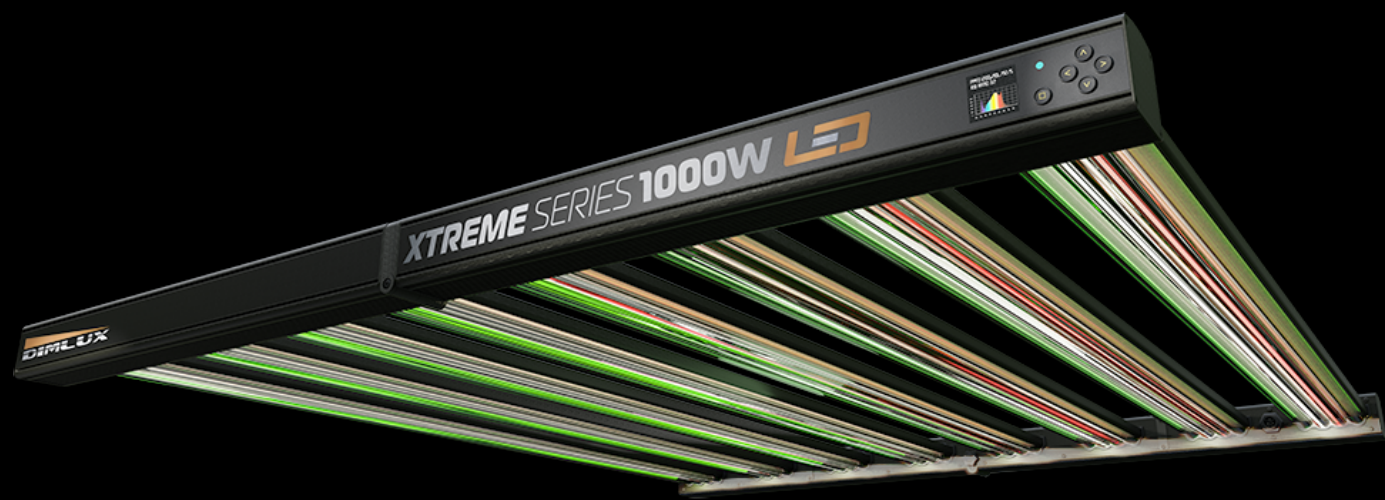
Smart ballast

The ballast is software upgradable.

DIMLUX

XTREME SERIES

LED



DIMLUX

XTREME SERIES

LED

INTRODUCING THE MOST POWERFUL AND SMART LED GROWLIGHT ON THE MARKET! THE DIMLUX XTREME SERIES LED.

Dimlux introduces the smartest, most efficient and most powerful grow light on the market, the Dimlux Xtreme Series LED!

With this innovative LED fixture, Dimlux sets a benchmark for horticultural lighting.

With patented technology, advances in LED technology, and optimal thermal design, the Dimlux Xtreme Series LED will be the preferred option offering significant return on investment to cultivators. Our adjustable PhytoVegSpec® grow spectrum combines full control over light quality (spectral flexibility) and quantity (intensity and DLI) ensuring a uniform spread and even light distribution with extreme penetration into the canopy.

The Dimlux Xtreme Series LED produces ultra-high levels of PPFD, evenly spread over a 1.2x1.2m grow area (500W) or a 1.5x1.5 m grow area (750W and 1000W), with a full grow spectrum, producing consistently high quality & high yield indoor crops. The Dimlux Xtreme Series LED can be dimmed without losing efficiency.

The spectrum and output power can be programmed depending on the time of day and the growing stage of the crop.

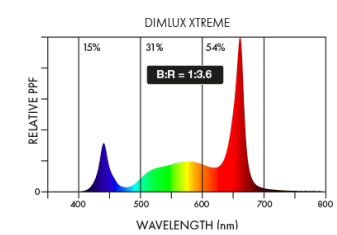
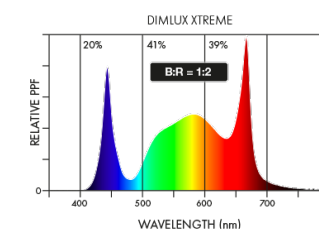
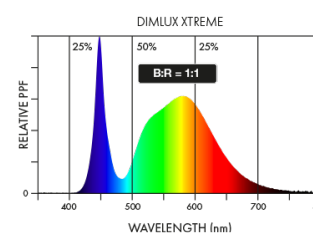
Auxiliary RGB LEDs with over 65k colors can be used as supplemental light and can be used as green work light in the dark phase. The work light can automatically be switched on by the internal radar proximity sensor.

Dimlux Xtreme Series LED – NIR

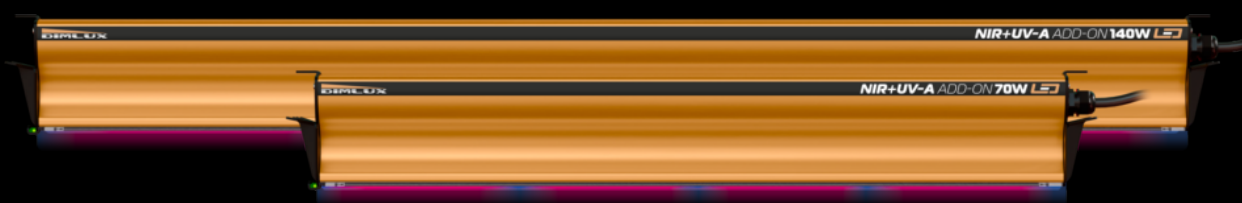
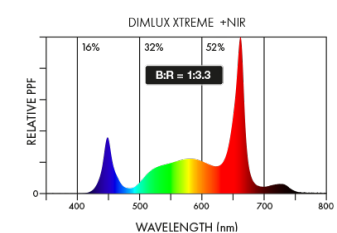
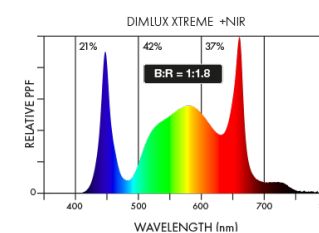
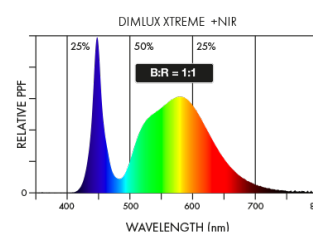
NIR means Near InfraRed. NIR is red light that becomes visible with a thermo graphic camera. It is therefore not directly visible to the naked eye, but is useful for the crop.

The theory that this part of the color-spectrum would not contribute to photosynthesis is outdated. New studies have shown that when the red spectrum and NIR are combined, the sum is equal to or even greater than the individual parts. So the colours Red and Near-InfraRed must be combined to work properly. In this combination, NIR also provides extra stretching and gives a fuller crop.

PhytoVegSpec® Indoor

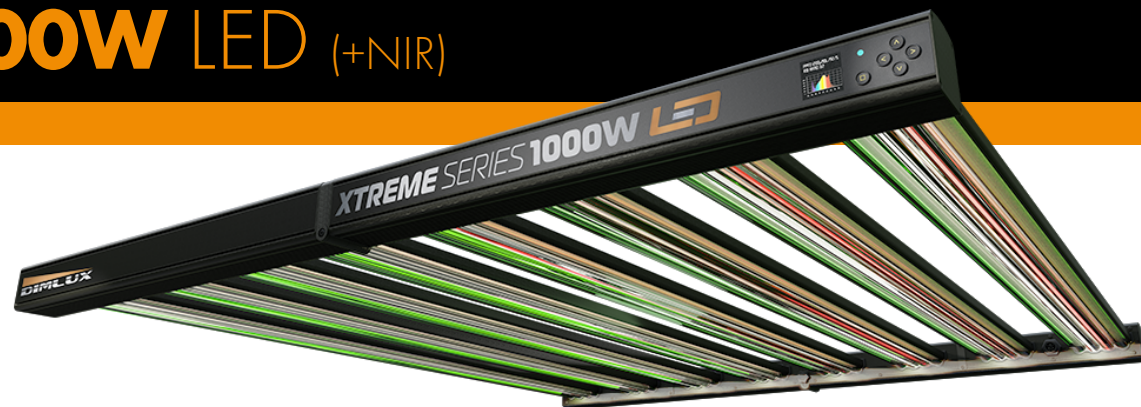


PhytoVegSpec® +NIR Indoor



DIMLUX

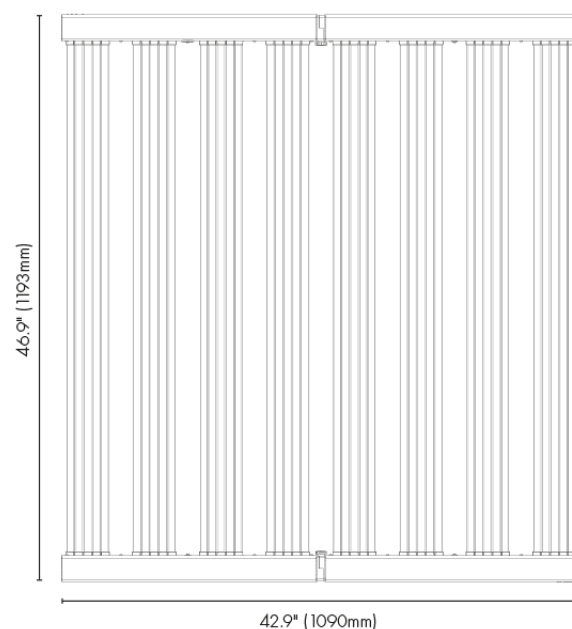
XTREME SERIES 1000W LED (+NIR)



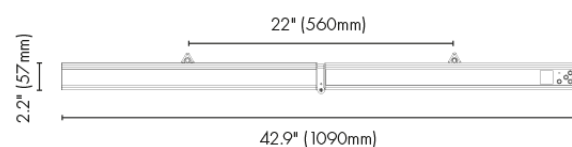
Xtreme Series	1000W LED
Spectrum	Adjustable PhytoVegSpec® Indoor
Light Output (PPF)	3035 $\mu\text{mol/s}$
Light Output Total (PPF 350-800nm)	3142 $\mu\text{mol/s}$
PAR Photon Efficacy (400-700nm)	2.85 $\mu\text{mol/J}$ @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.95 $\mu\text{mol/J}$ @ 230-240V AC
Xtreme Series	1000W LED + NIR
Spectrum	Adjustable PhytoVegSpec® Indoor + NIR
Light Output (PPF)	2879 $\mu\text{mol/s}$
Light Output Total (PPF 350-800nm)	3059 $\mu\text{mol/s}$
PAR Photon Efficacy (400-700nm)	2.7 $\mu\text{mol/J}$ @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.9 $\mu\text{mol/J}$ @ 230-240V AC

Light Source	1000W LED (+NIR)
AC Input Power	1065W @ 230-240V AC
AC Input Voltage	120-277V AC, 50/60Hz
Beam Angle	90° × 120°
Optics	Patented Deep Penetration Ultra High Transmittance Lens
Auxiliary Light	Patented Light Pipe Multi Color 65k
Proximity sensor	Doppler Radar
Thermal Management	Passive
Max. Ambient Temperature	40°C / 105°F
Control	By Maxi Controller or Internal Controller
Smartports (3x)	Interlink, Plant Temperature Camera, Light Sensor
Display For Spectrum and GUI	1.54" 65k Color IPS
Total Harmonic Distortion (THD)	< 10%
Lifetime L90	> 50,000h
Certifications	CE, UL 8800, UL 1598 Wet Location, DLC

TOP VIEW

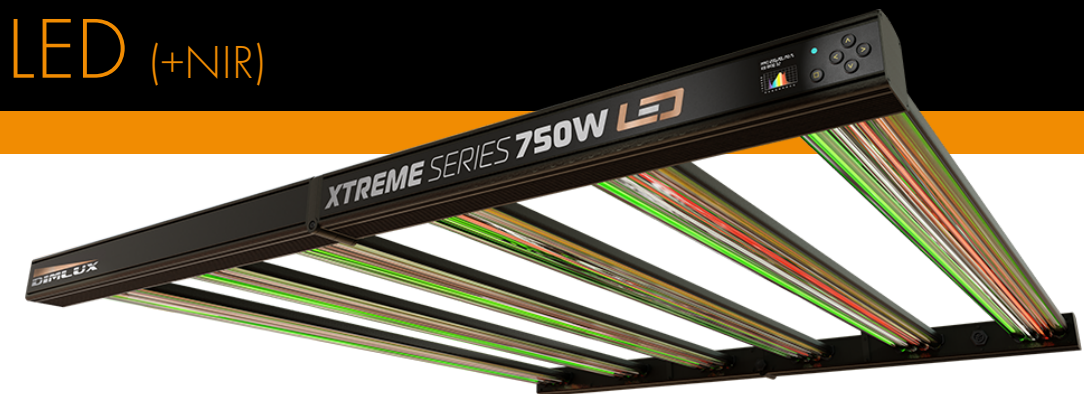


SIDE VIEW



DIMLUX

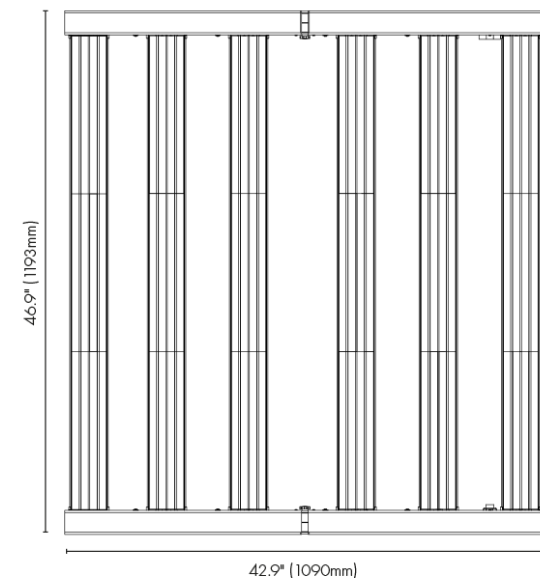
XTREME SERIES 750W LED (+NIR)



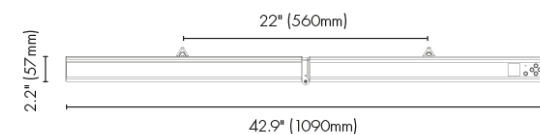
Xtreme Series	750W LED
Spectrum	Adjustable PhytoVegSpec® Indoor
Light Output (PPF)	2276 $\mu\text{mol/s}$
Light Output Total (PPF 350-800nm)	2357 $\mu\text{mol/s}$
PAR Photon Efficacy (400-700nm)	2.85 $\mu\text{mol/J}$ @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.95 $\mu\text{mol/J}$ @ 230-240V AC
Xtreme Series	750W LED + NIR
Spectrum	Adjustable PhytoVegSpec® Indoor + NIR
Light Output (PPF)	2159 $\mu\text{mol/s}$
Light Output Total (PPF 350-800nm)	2317 $\mu\text{mol/s}$
PAR Photon Efficacy (400-700nm)	2.7 $\mu\text{mol/J}$ @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.9 $\mu\text{mol/J}$ @ 230-240V AC

Light Source	750W LED (+NIR)
AC Input Power	799W @ 230-240V AC
AC Input Voltage	120-277V AC, 50/60Hz
Beam Angle	90° × 120°
Optics	Patented Deep Penetration Ultra High Transmittance Lens
Auxiliary Light	Patented Light Pipe Multi Color 65k
Proximity sensor	Doppler Radar
Thermal Management	Passive
Max. Ambient Temperature	40°C / 105°F
Control	By Maxi Controller or Internal Controller
Smartports (3x)	Interlink, Plant Temperature Camera, Light Sensor
Display For Spectrum and GUI	1.54" 65k Color IPS
Total Harmonic Distortion (THD)	< 10%
Lifetime L90	> 50,000h
Certifications	CE, UL 8800, UL 1598 Wet Location, DLC

TOP VIEW

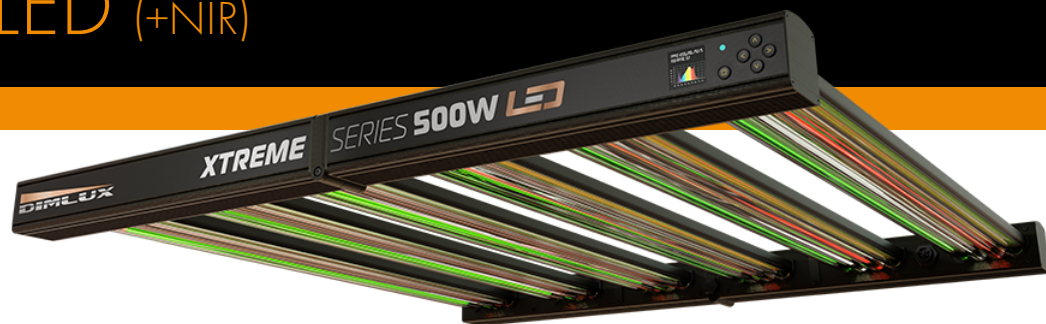


SIDE VIEW



DIMLUX

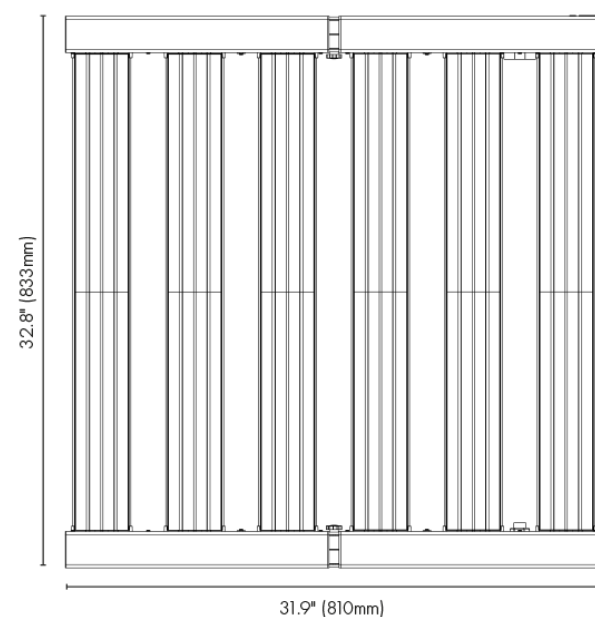
XTREME SERIES 500W LED (+NIR)



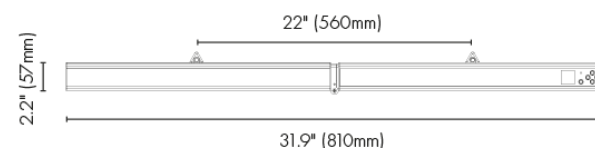
Xtreme Series	500W LED
Spectrum	Adjustable PhytoVegSpec® Indoor
Light Output (PPF)	1500 µmol/s
Light Output Total (PPF 350-800nm)	1571 µmol/s
PAR Photon Efficacy (400-700nm)	2.81 µmol/J @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.91 µmol/J @ 230-240V AC
Xtreme Series	500W LED + NIR
Spectrum	Adjustable PhytoVegSpec® Indoor + NIR
Light Output (PPF)	1420 µmol/s
Light Output Total (PPF 350-800nm)	1550 µmol/s
PAR Photon Efficacy (400-700nm)	2.67 µmol/J @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.87 µmol/J @ 230-240V AC

Light Source	500W LED (+NIR)
AC Input Power	540W @ 230-240V AC
AC Input Voltage	120-277V AC, 50/60Hz
Beam Angle	90° × 120°
Optics	Patented Deep Penetration Ultra High Transmittance Lens
Auxiliary Light	Patented Light Pipe Multi Color 65k
Proximity sensor	Doppler Radar
Thermal Management	Passive
Max. Ambient Temperature	40°C / 105°F
Control	By Maxi Controller or Internal Controller
Smartports (3x)	Interlink, Plant Temperature Camera, Light Sensor
Display For Spectrum and GUI	1.54" 65k Color IPS
Total Harmonic Distortion (THD)	< 10%
Lifetime L90	> 50,000h
Certifications	CE, UL 8800, UL 1598 Wet Location, DLC

TOP VIEW



SIDE VIEW



DIMLUX

XTREME SERIES NIR+UV-A ADD ON



	NIR+UV-A ADD-ON 70W	NIR+UV-A ADD-ON 140W
Light Source	70W LED Dual Band	140W LED Dual Band
FAR-RED (670-760nm) Photon Flux	123 µmol/s	247 µmol/s
UV-A (370-405nm) Photon Flux	31 µmol/s	62 µmol/s
Total Photon Efficacy (350-800nm)	2.91 µmol/J @ 230-240V AC	2.95 µmol/J @ 230-240V AC
AC Input Power	72.5W @ 230V AC	156.1W @ 230V AC
AC Input Voltage	120-277V AC, 50/60Hz	
AC Input Current	0.65A @ 120V / 0.27A @ 277V	1.3A @ 120V / 0.56A @ 277V
Optics	Patented Deep Penetration Ultra High Transmittance Lens	
Auxiliary Light	Patented Light Pipe Multi Color 65k	
Rcmd Hanging Height	120×120cm min. 60cm / 4'×4' min. 2'	150×150cm min. 75cm / 5'×5' min. 2.5'
Rcmd Hanging Height	100×100cm min. 50cm / 40"×40" min. 20"	120×120cm min. 60cm / 4'×4' min. 2'
Thermal Management	Passive	
Operating Temperature	0-40°C / 32-107°F (non-condensing)	
Total Harmonic Distortion (THD)	< 10%	
Lifetime L90	> 50,000h	
IP Rating	IP50	
Certifications	CE, UL 8800, UL 1598 Wet Location	
Photobiological Safety	IEC 62471 - Risk Group 2	
Warranty	3 Year Standard	

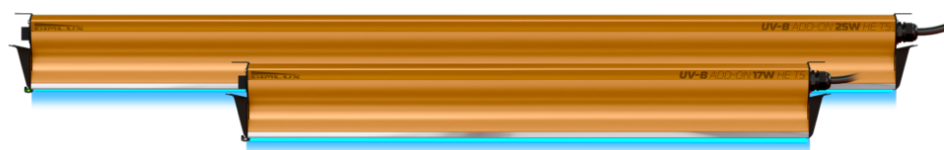
UV-A increases resistance to fungi, and other pathogens. Increases resin production which brings out flavonoids and terpenes. Makes the plant stronger, healthier, shorter and increases root production. The leaves will become darker green caused by more pigmentation. Adds extra photons used in photosynthesis, resulting in more yield.

When combined with an UV-B add-on the UV-A helps protect against damage to DNA, proteins and nucleic acids in plant cells caused by UV-B. When UV-A and UV-B are combined in the right amounts and for the right duration, they have a synergistic stress response effect that makes them even more potent while also being less harmful than UV-B alone.

DIMLUX

XTREME SERIES

UV-B ADD ON



	UV-B ADD-ON 17W	UV-B ADD-ON 25W
Light Source	17W	25W
	T5 High Efficiency Fluorescent UV-B Broadband 275-375nm	
Reflector	Wide Beam Super Compact UV	
AC Input Power	18W @ 230V AC	27W @ 230V AC
AC Input Voltage	120-277V AC, 50/60Hz	
AC Input Current	0.15A @ 120V / 0.27A @ 277V	0.23A @ 120V / 0.56A @ 277V
Power Supply	High-efficiency electronic ballast	
Rcmd Hanging Height	120×120cm min. 60cm / 4'×4' min. 2'	150×150cm min. 75cm / 5'×5' min. 2.5'
Rcmd Hanging Height	100×100cm min. 50cm / 40"×40" min. 20"	120×120cm min. 60cm / 4'×4' min. 2'
Thermal Management	Passive	
Operating Temperature	0-40°C / 32-107°F (non-condensing)	
Total Harmonic Distortion (THD)	< 10%	
IP Rating	IP50	
Certifications	CE, UL 8800, UL 1598 Wet Location	
Photobiological Safety	IEC 62471 - Risk Group 2	
Warranty	3 Year Standard	

UV-B increases potency and resin production which brings out flavonoids and terpenes, like UV-A, but much more powerful. Suppresses pathogens, fungi and spider mites. Ideal when combined with a UV-A Add-on, which increases UV-B resistance of DNA, proteins, and nucleic acids in plant cells.



DIMLUX

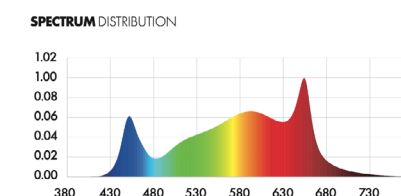
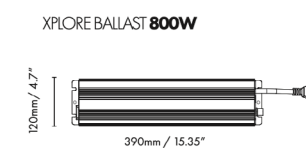
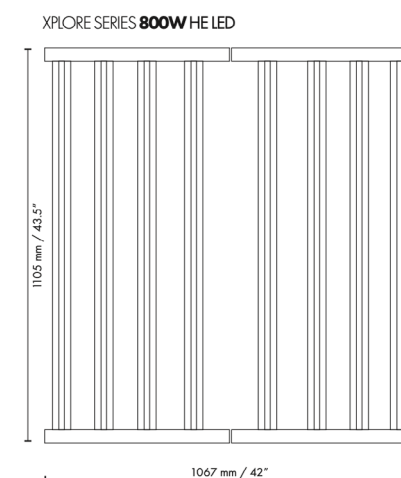
XPLORE SERIES LED

XPLORE SERIES

800W LED

The Dimlux Xplore Series 800W HE LED offers an unprecedented price / performance ratio featuring a perfect blend of both full-spectrum white LED diodes and red LED diodes.

This results in the perfect spectrum for all phases of growth. The mix of white and red LEDs result in a relatively high ratio of blu-ish light. Blue light keeps your crop tight and compact in the vegetative stage and adds to optimal morphogenesis and light uptake by the plant. The red part is ideal for flower and is accountable for the high yield.



FIXTURES



The Xplore 800W Digital Driver, mounted directly on the fixture or positioned remotely, can dim the LED Fixture by the Maxi controller or with the dim button to 320W, 480W, 640W or 800W setting may be selected to give maximum light output.

Lightweight and easy to install, if hung by means of Rope Ratchets the height of the fixture can be adjusted as your plants grow.

This high-performing, high-efficiency LED 8 Bar Fixture can be used singly or as part of a lighting array.

Light Source	800W LED
Driver	Dimlux Xplore Digital Driver 800W
Spectrum	Full Spectrum White and Red LED Diodes
Light Output (PPF)	2231 $\mu\text{mol/s}$
Light Output Total (PPF 350-800nm)	2283 $\mu\text{mol/s}$
PAR Photon Efficacy (400-700nm)	2.80 $\mu\text{mol/J}$ @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.85 $\mu\text{mol/J}$ @ 230-240V AC
AC Input Power	800W @ 230-240V AC
AC Input Voltage	200-277V AC, 50/60Hz
Beam Angle	120°
Optics	Conformal Coating
Rcmd Mounting Height	150×150cm min. 40cm / 5'×5' min. 1.35'
Rcmd Mounting Height	120×120cm min. 30cm / 4'×4' min. 1'
LED positioning	Asymmetrical
Ambient Temperature	-25 ~ 40°C / -13 ~ 105°F
Control	By Maxi Controller or Dim Button
Total Harmonic Distortion (THD)	< 10%
Lifetime L90	> 50,000h
Certifications	ETL, CE, UKCA
Weight	10,6 kg

DIMLUX

XPLORE SERIES LED

FIXTURES

XPLORE SERIES 730W & 730W 9X LED

The Dimlux Xplore Series 730W and 730W 9X LED offer an unprecedented price / performance ratio featuring a perfect blend of both full-spectrum white LED diodes and red LED diodes.

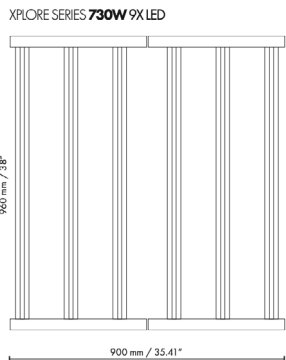
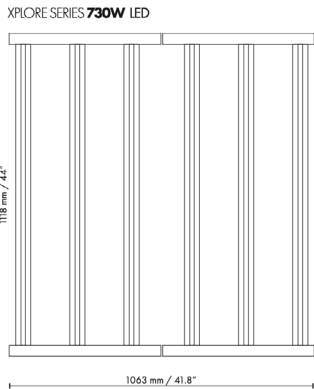
This results in the perfect spectrum for all phases of growth. The mix of white and red LEDs result in a relatively high ratio of blu-ish light. Blue light keeps your crop tight and compact in the vegetative stage and adds to optimal morphogenesis and light uptake by the plant. The red part is ideal for flower and is accountable for the high yield.



The Xplore 730W Digital Ballast, mounted directly on the fixture or positioned remotely, can dim the LED Fixture by the Maxi controller or with the dim button to 250W, 400W, 600W or 730W setting may be selected to give maximum light output.

Lightweight and easy to install, if hung by means of Rope Ratchets the height of the fixture can be adjusted as your plants grow.

The Dimlux Xplore 730W 9X is specially made to fit in a grow tent. You get the same specifications as the Xplore 730W, but extra compact

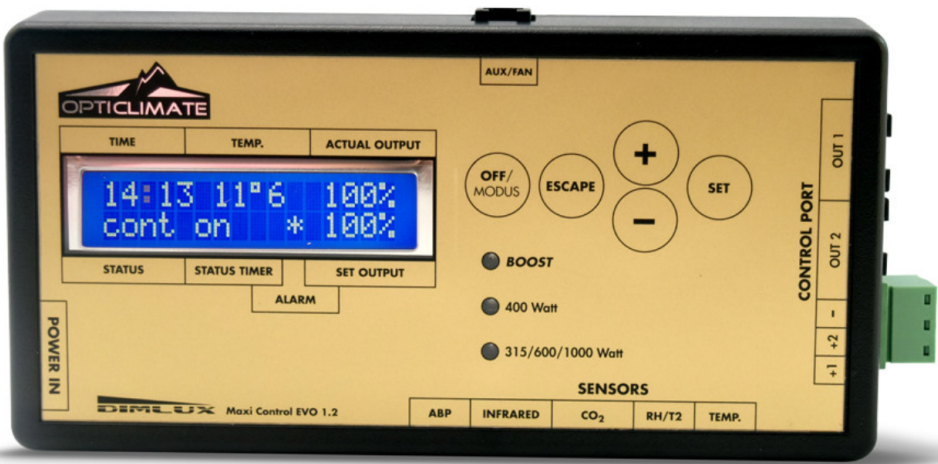


Light Source	730W LED
Driver	Dimlux Xplore Digital Driver 730W
Spectrum	Full Spectrum White and Red LED Diodes
Light Output (PPF)	1944 µmol/s
Light Output Total (PPF 350-800nm)	1931 µmol/s
PAR Photon Efficacy (400-700nm)	2.69 µmol/J @ 220-240V AC
Total Photon Efficacy (350-800nm)	2.70 µmol/J @ 230-240V AC
AC Input Power	730W @ 230-240V AC
AC Input Voltage	200-277V AC, 50/60Hz
Beam Angle	120°
Optics	Conformal Coating
Rcmd Mounting Height 730W	150x150cm min. 40cm / 5'x5' min. 1.35'
Rcmd Mounting Height 730W 9X	100x100cm min. 25cm / 3.3'x3.3' min. 10"
LED positioning	Asymmetrical
Ambient Temperature	-25 ~ 40°C / -13 ~ 105°F
Control	By Maxi Controller or Dim Button
Total Harmonic Distortion (THD)	< 10%
Lifetime L90	> 50,000h
Certifications	ETL, CE, UKCA
Weight	730W: 9,2 kg 730W 9X: 8,6 kg

DIMLUX

ACCESSORIES





2-17
MAXI CONTROLLER

The Maxi Controller is a modular control system for controlling the DimLux lighting system, a fan and the heating. The Maxi Controller controls and monitors the CO₂, vapor pressure deficit (VPD) and the plant temperature depending on the sensors chosen.

The Maxi Controller is able to control up to 160 DimLux Expert fixtures or Xtreme ballasts. The Maxi Controller is able to switch the lighting on or off silently by means of a built-in timer. The lighting can also be regulated variably until the desired output is reached.

The Maxi Controller can adjust the output according to the temperature of the room. The DimLux lighting system is automatically dimmed once a certain temperature is

exceeded. If the temperature is still too high, the Maxi Controller will switch off all or half the fixtures until the desired temperature has been reached. The DimLux Expert fixtures or Xtreme ballasts can be connected directly to a wall socket. Only the time when this is to be switched on and off needs to be entered and the set is ready for use. The desired lighting intensity can be set using the + and – buttons.

The Maxi Controller is modular. The controller can be extended to include the Aux Box, Smartbox, CO₂ sensor, a plant temperature camera, an RH sensor and a temperature sensor.



PLANT TEMPERATURE CAMERA

	Analog	Digital
5 m	2-44	2-544
10 m	2-289	2-545

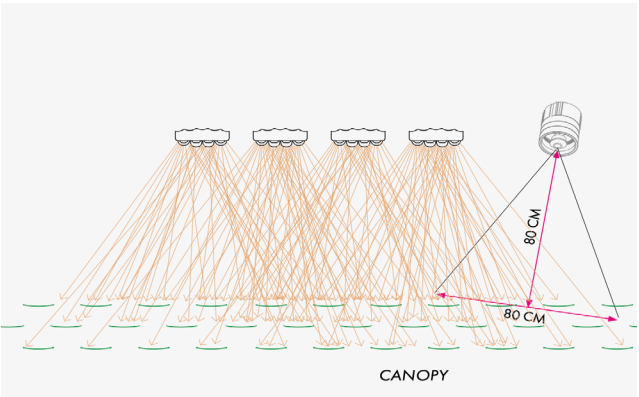
VPD AND PLANT TEMPERATURE
Using an online calculator to calculate the VPD without factoring in the plant temperature is incorrect. So incorrect in fact that those values will probably do more harm than good to the plants. With LED, due to the larger temperature difference between the air and the plant temperature, calculating the VPD without including the plant temperature is an absolute no-go! The VPD value from a calculation without the plant temperature is totally unreliable and may cause huge problems.

PLANT TEMPERATURE AND LED
When growing with LED, the plant temperature is more important than ever, because the grower often thinks in terms of the cultivation method and schedules of HPS, and applies them to LED. This often results in poor growth due to the sub-optimal plant temperature. Growing at air temperature is a no-go when growing with LED. This was in fact already the case when growing with HPS, but with LED the importance has only increased. The reason that the plant temperature is so important when growing with LED is because the LED fixtures do not emit infrared radiation like the vast majority of HPS fixtures. The infrared radiation in HPS cultivation ensures a considerable increase in plant temperature, and an 'ideal' air temperature has been attached to this over the years. This is actually wrong. The plant temperature should always be leading and the air temperature indirectly controls the plant temperature.

HOW DOES THE PLANT TEMPERATURE CAMERA WORK WITH DIMLUX EQUIPMENT?
The plant temperature camera is available in 2 versions, analog and digital. The digital model is for use in combination with the LED Xtreme series and the analog model for use with the Maxi Controller. When used with the LED Xtreme series, the ideal plant temperature will be shown in the display. In addition, if the plant temperature is too low, the auxiliary lighting will flash blue, and if it's too high, it will flash red.

When the plant temperature camera is used in combination with the Maxi Controller, it works fully automatically as a preventive measure. If the plant temperature is too high, CO₂ supply will be stopped and the output of the fixtures will be gradually dimmed.

This dimming continues until the plant temperature is back within its ideal range. If the plant temperature continues to rise, the Maxi Controller will switch off the lighting, because evaporation no longer occurs and the plant will only wilt. The lights will now stay off until the error is corrected. The DimLux plant temperature camera is available in different lengths.





TEMPERATURE SENSOR

If the DimLux temperature sensor is connected, the DimLux Maxi Controller can dim the lamps according to the temperature. If the set value is exceeded the DimLux Maxi Controller will dim the lamps to increase or decrease the temperature. If the temperature still rises despite the dimming 50% of the lights will be turned off. If the temperature even then continues to rise all the lights are turned off for at least 20 minutes.

The temperature sensor comes in two variants. The DimLux temperature sensor is designed to work with the DimLux Maxi Controller, whereas the DimLux temperature sensor smartport is designed for connection to LED and MKII Smartports.

Available in different lengths:

	Maxi Controller	Smartport
1m	-	2-552
5m	2-34	2-553
10m	2-287	2-554

T-PIECE



DimLux T-piece for cooling of the Ultra Optics 98 reflector. Required when multiple reflectors need to be connected simultaneously.

2-322	125mm - 50mm - 125mm	For 3x1000W cooling
2-323	160 mm - 50 mm - 160 mm	For 6x1000W cooling
2-324	200 mm - 50 mm - 200 mm	For 10x1000W cooling

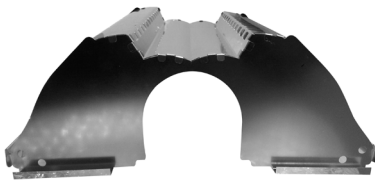


HUMIDITY SENSOR (RH)

The DimLux humidity (RH) sensor displays the humidity on the DimLux Maxi Controller. If the RH sensor is connected, a humidifier can also be switched on with the DimLux Maxi Controller. An additional plant temperature sensor is required in order to calculate the Vapour Pressure Deficit (VPD).

Available in different lengths:

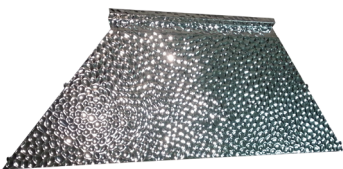
2-64E	5 m
2-288E	10 m



ULTRA OPTICS 98 REFLECTOR
REPLACEMENT

DimLux Ultra Optics 98 replacement reflector

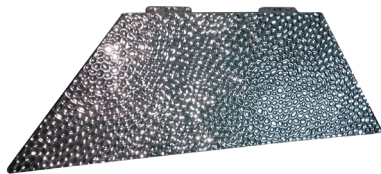
2-338	For DimLux 1000W	2-340	For DimLux 600W & 315W
2-339	For DimLux 630W		



2-238

ULTRA OPTICS ADD-ON SHORT SIDE

The Ultra Optics Add-on reflector for DimLux grow lights is made from 95% reflective Miro 95 hammered mirrors, reducing wall losses and optimizing light distribution.



2-237

ULTRA OPTICS ADD-ON REFLECTOR LONG
SIDE

The Ultra Optics Add-on reflector for DimLux grow lights is made from 95% reflective Miro 95 hammered mirrors, reducing wall losses and optimizing light distribution.



BLACK INTERLINK CABLE SMART PORT

DimLux Black Interlink cable to connect the SmartBox and Repeaterbox. This DimLux Interlink cable has a plug at both ends.

Available in different lengths:

2-370	Black Interlink cable 2 meters
2-363	Black Interlink cable 5 meters
2-364	Black Interlink cable 10 meters
2-369	Black Interlink cable 20 meter



INTERLINK CABLE

DimLux Interlink cable to connect DimLux fixtures to the DimLux Maxi Controller and to other DimLux fixtures. This DimLux Interlink cable has a plug at both ends.

Available in different lengths:

2-350	DimLux Interlink cable 0,6 meter
2-353	DimLux Interlink cable 2,5 meter
2-354	DimLux Interlink cable 3,5 meter
2-355	DimLux Interlink cable 5 meter
2-356	DimLux Interlink cable 10 meter

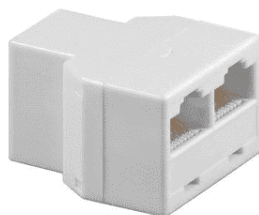


COMMUNICATION CABLE

Cable to connect the maxi controllers for Master / Slave application or to use if the AUX box cable is too short or broken.

Available in different lengths:

2-360	Communication cable 5 meter
2-361	Communication cable 10 meter
2-362	Communication cable 20 meter



2-365
SPLITTER COMMUNICATION CABLE

The splitter for communication cable is needed if more than 2 maxi controllers are connected. The signal is then splitted for the third maxi controller.



2-325
COMBIDEC HOSE

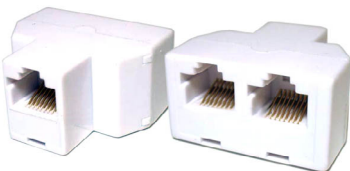
Hose for cooling of the Ultra Optics 98 reflector. 50mm.



2-153
ORCA FILM

Orca Film and Tape are reflective films which have the highest reflective properties (+ 94%) of any film. They are exceptionally strong with particularly good IR reflective properties and are Teflon-coated for easy cleaning. Most films have around 70% (black/white) to 87% (aluminium/mylar) reflection.

- 10 x 1,37m / roll
- Mildew and algae resistant
- Does not discolour
- Washable



2-366
SPLITTER INTERLINK CABLE

The splitter is to split the interlink cable so that 160 ballasts without signal loss can be connected.



2-386
AUX BOX

The DimLux Maxi Controller EVO 1.1 has an Aux/Fan output, so that an external Aux box or Fan/Aux box can be connected.

The Aux box has 2 outputs (2 x 230V, 10A) in order to connect a heater, a humidifier or dehumidifier to the DimLux Maxi Controller. After setting the desired values the DimLux Maxi Controller can control these external devices.



2-587
SMART BOX 6/3

The Smartbox 6/3 has 3 outputs so that a heater, humidifier, dehumidifier and fan can be connected to the DimLux Maxi Controller. All outputs are 15A. The fan control is electronic and quiet in use (no humming). The fan controller has a temperature control and an RH day and night to control which are individually adjustable. The temperature controller works by means of SmartLogic, this is an algorithm that ensures that the current temperature is actually equal to the set temperature.



SMART BOX

The smartbox can be used to control a humidifier, or to be connected to the Dimlux LED Xplore.

2-585	Smartbox 4/0
2-586	Smartbox 8/0

DIMLUX XTREME OUTPUT (DXO) HPS

The DXO HPS EL bulb is a single-spectrum bulb with the most plant-useable light output of just about any 600/1000/1250 Watt bulb on the market.

The bulb produces light mostly in the orange/red part of the spectrum for heavy flowering however, it does produce some light in the blue part of the spectrum making it suitable for vegging. It has been specifically designed to make the most of your HPS electronic system with boost where it will produce more plant-useable light photons, of a better spectrum, than any other 600/1000/1250 Watt bulb available.

2-79

DIMLUX XTREME OUTPUT (DXO) HPS

400V 600/750W EL



2-78

DIMLUX XTREME OUTPUT (DXO) HPS

400V 1000/1250W DE EL



DIMLUX XTREME OUTPUT (DXO)
CALIFORNIA SPEC HPS

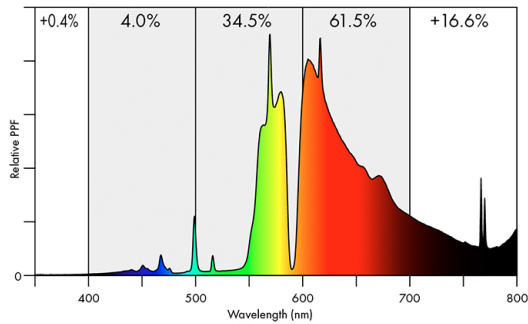
The new MKII fixture together with the new DXO CA spec lamp is the only combination in the world to have a system efficacy (PPE) of more than 2.1 μmol/J, an unprecedented achievement that was thought to be impossible.

2-79

DIMLUX XTREME OUTPUT (DXO)
CALIFORNIA SPEC HPS

400V 1000/1250W DE EL

DXO/CA



DIMLUX XTREME OUTPUT CALIFORNIA SPEC
1250W 2780 μmol/s 2,23 μmol/J 400V DE

Light Output PAR (PPF 400-700nm)	2780 μmol/s @1250W
Light Output Total (PPF 350-800nm)	3370 μmol/s @1250W
Photon Efficacy PAR (PPE 400-700nm)	2,23 μmol/J @1150-1250W
Photon Efficacy Total (PPE 350-800nm)	2,46 μmol/J @1150-1250W



2-74

BLV HORTURION MH 1000W EL DE 5.5K

- Ideal for high greenhouses and crops with high light necessities
- Highest efficiency in $\mu\text{mol}/\text{W}$
- Optimised for operation on an electronic control gear like DimLux
- Superior output of $2100 \mu\text{mol}/\text{s}$
- Extremely long lifetime with outstanding PAR maintenance

DIMLUX FULL SPECTRUM CMH 315W



The Dimlux full spectrum CMH 315W is the most efficient full-spectrum lamp with extra red light (3K) or extra blue light (4K). Overlaps the entire PAR spectrum of plasma, but with more than twice the bloom light and extra red light. The lamp for quality and quantity.
Efficiency = $1.9 \mu\text{mol}/\text{W}$.

2-329	3K
2-328	4K



2-80

DIMLUX PRO 1000W 400V DE HPS 2K

- Compatible with DimLux PRO Series 1000W
- Superior output of $2100 \mu\text{mol}/\text{s}$

OPTICLIMATE

OPTIMAL CLIMATE CONTROL



The OptiClimate is a climate control system developed entirely on the company's own premises. This resulted in a completely optimised and efficient product which enables the climate to be adjusted to perfection while consuming as little energy as possible.

The OptiClimate is the only real all in solution for managing your interior climate and has the unique property of being able to cool or warm up or dehumidify, filter and circulate air at the same time. You are no longer dependent on the outside temperature and can experience the perfect climate, in summer and winter. You can even achieve the ideal temperature during a heat wave. The OptiClimate creates an optimal distribution of air in the room creating an even temperature. The temperatures can be exactly adjusted to your wishes and will be continuously maintained.

The OptiClimate is available in a water-cooled or air-cooled design. The air-cooled OptiClimate is available in the PRO3 version and the water-cooled OptiClimate is available in a PRO3 and PRO4 version. The 15000 model is also available with inverter technology.

Dehumidifying with the PRO3

The OptiClimate PRO3 dehumidifies by continuously finding the right balance between warming and cooling. This enables the dehumidifying function to work even after the desired temperature has been reached. The dehumidifying capacity of the PRO3 is more than sufficient for most applications.

Dehumidifying with the PRO4

The PRO4 has an extremely powerful and efficient dehumidification function. The PRO4 has the innovative property of being able to continue to dehumidify using its own warmth without having to cool the air.

OPTICLIMATE
MODELS

WATER-COOLED

The model of OptiClimate water-cooled cools the air using water as a refrigerant and heats by ceramic resistances. The cold water is used to cool the air, which in turn heats the water from 35°C to 50°C. It is ideal for cooling objects near water sources, such as a building next to a canal, a boat house, a yacht, a swimming pool or a greenhouse. The OptiClimate model with water cooling is especially suitable for historic buildings and monuments, where it is not allowed to install outdoor units.



Art.	Type	Connection	Phase	Power consumption	Cooling capacity	Dehumidifies capacity L/24h	Cooling water consumption L/min	Heating	Dimensions	Weight
1-1001	3500 PRO3	230V	1 or 2	740W	3500W	55	1,0 - 2,0	2x1500W	100x50x42	57kg
1-1002	6000 PRO3	230V - 400V	1 or 3	1450W	6000W	100	2,0 - 4,0	3x1500W	115x53x43	80kg
1-1003	10000 PRO3	230V - 400V	1 ofr3	2150W	10.000W	170	3,0 - 6,0	3x2000W	115x56x50	120kg
1-1004	15000 PRO3	400V	3	3100W	15.000W	270	5,0 - 9,0	3x2700W	121x70x54	160kg
1-4006	15000 PRO4 Inverter	400V	3	31000W	15kW (boost +8%)	441	5-10	3x2700W	121x70x54	160kg

OPTICLIMATE
MODELS

AIR-COOLED

The OptiClimate model air-cooled (Opticlimat Split) works according to the same principle as the version with water cooling. But the OptiClimate Split uses air as a refrigerant, instead of water.

The OptiClimate Split has an outdoor unit that must be installed at a distance of no more than 30 meters. The split unit is delivered with flexible hoses and quick couplings. For the installation, it is not necessary to call a technician. The split unit can also be easily disassembled.



All units available in Extended models with 30 meters of cooling hose.

Art.	Type	Connection	Phase	Power consumption	Cooling capacity	Dehumidifies capacity L/24h	Heating	Dimensions Int. Unit	Weight Int. Unit
1-2001	3500 PRO3 Split	230V	1 of 2	820W	3500W	55	2x1500W	100x50x42	50kg
1-2003	10000 PRO3 Split	230V - 400V	1 of 3	2390W	10.000W	170	3x2000W	115x56x50	110kg
1-2004	15000 PRO3 Split	400V	3	3500W	15.000W	270	3x2700W	121x70x54	150kg
1-2012	15000 PRO3 Split Inverter	400V	3	3500W	15kW (boost +8%)	270	3x2700W	121x70x54	150kg

OPTICLIMATE

REVOMAX II



THE FIRST ALL-IN-ONE STEADY STATE TEMPERATURE AND HUMIDITY LOGIC AIRCONDITIONER IN THE WORLD

The Revomax II is a climate control system with our new Infinity DC inverter technology which has the broadest capacity range from all existing air conditioning units, we can get as low as 20-30% from the cooling capacity where other products cannot go lower as 60%, this results in super stable climate no matter if the customer installed less fixtures as optimum like with the PRO3 or PRO4.

LINEAR DEHUMIDIFICATION TECHNOLOGY

With a normal air conditioner the humidity cannot be controlled, with the PRO4 the humidity swing will be 20% and with the REV II only 4%RH. Constant humidity means no humidity swings.

INTELLIGENT STEADY-STATE TEMPERATURE AND HUMIDITY LOGIC

Constant temperature, no temperature fluctuations so the temperature will be $\pm 0,2^{\circ}\text{C}$ from the setpoint. Stable output (supply) temperature, during dehumidification at night or day with the PRO4 the output temperature can go up as high as 40°C and as low as 10°C depending on the indoor temperature during dehumidification.

The above new features are made possible because of our patented double EEV technology, we are the only supplier with this technology.

This will bring the Revomax to a new level of controllability and flexibility.

The REV II units are optimised for growing with LED. When growing with LED the room temperature rises slowly when the LEDs are turned on and because of this optimum photosynthesis is slowed down. With the Revomax the room will be heated up with the DC compressor in heating mode without using external electrical heaters.



Like this the optimum temperature will be reached in the fastest possible way and optimum photosynthesis will be reached as fast as well. During heating the dehumidification process keeps being active to assure the humidity stays in control.

Besides this, the revomax units will be outfitted with a 7" smart remote controller which can be connected by WIFI and or LAN. With this you can control the Revomax remotely and also get alarms and alerts by email.

With the REV II the output temperature will be $\pm 0,2^{\circ}\text{C}$ within the temperature setpoint.

OPTICLIMATE

MODELS

REVOMAX II



Art.	Type	Voltage	Phase	Absorbed power	Capacity	Dehumidifying Power L/24h	Water consumption L/min	Heating	Dimensions (cm)	Weight
1-7402	6000 REV II	230V - 400V	1 or 3	1450W	6 kW	170	2 - 4	3x1000W	86x48x43	89 kg
1-7403	10000 REV II	230V - 400V	1 or 3	2150W	10 kW	290	3 - 6	3x1300W	96x56x50	99 kg
1-7404	15000 REV II	230V	1	3100W	15 kW	441	5 - 9	3x2000W	107x66x51	122 kg
1-7405	15000 REV II	400V	3	3100W	15 kW	441	5 - 9	3x2000W	107x66x51	122 kg
1-7408	21000 REV II	400V	3	4340W	21 kW	610	7 - 13	3x2700W	117x71x56	146 kg
1-7409	30000 REV II	400V	3	6300W	30 kW	880	10 - 20	3x2700W	123x90.5x54.5	200 kg

OPTICLIMATE

ACCESSORIES



3-106 FLANGE

The flanges for optiClimate are provided with holes to be screwed and secured against a surface. The part where the hose must be connected is conical for easy installation. The flanges are available in different diameters, and are reducing depending on the diameter of the hose that must be installed.

Flange code information: The first number indicates the diameter of the filter on which the flange can be mounted. The second number is the diameter of the connection of the flange to which the hose is connected.

3-106	FlowFilter Flange 125 – 100 mm
3-107	FlowFilter Flens 125 – 125 mm
3-109	FlowFilter Flens 160 – 125 mm
3-111	FlowFilter Flens 160 – 160 mm
3-112	FlowFilter Flens 160 – 200 mm
3-113	FlowFilter Flens 250 – 150 mm
3-114	FlowFilter Flens 250 – 160 mm
3-115	FlowFilter Flens 250 – 200 mm
3-116	FlowFilter Flens 250 – 250 mm
3-117	FlowFilter Flens 355 – 250 mm
3-118	FlowFilter Flens 355 – 315 mm
3-119	FlowFilter Flens 355 – 355 mm

OPTICLIMATE

ACCESSORIES



SPLIT COOLING HOSE (PER METER)

Extra cooling hose to extend the OptiClimate PRO3 Split and EX units. The cooling hose consists of a set of two hoses. The price is per meter. For example, if 15 meter cooling hose is required for an OptiClimate PRO3 Split you would need to order this article 7 times (for 7 meters extra). An 8 meter cooling hose comes standard with an OptiClimate Split Unit. A 15 meter cooling hose comes standard with an OptiClimate Split EX Unit.

1-311 & 1-312	Extra length cooling hose for OC Split 2000 and 3500
1-311 & 1-313	Extra length cooling hose for OC Split 6000
1-312 & 1-313	Extra length cooling hose for OC Split 10.000
1-312 & 1-314	Extra length cooling hose for OC Split 15.000



CARBON FILTERS

The carbon filter of the OptiClimate should be replaced every 10/12 weeks. Each filter replacement package contains three units. Each OptiClimate has its filter model with its relevant measures:

1-202	OptiClimate 2000 & 3500	90*60*500 mm
1-203	OptiClimate 6000	500*60*600 mm
1-204	OptiClimate 10000	530*60*700 mm
1-155	OptiClimate 15000	550*60*900 mm

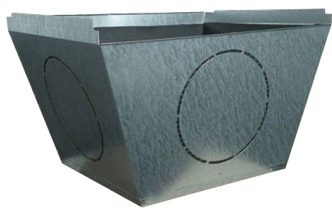


THREE-WAY VALVE

This valve allows cooling in a dual room system, with which a single OptiClimate 2 rooms can be cooled: 12 hours and 12 hours. With this configuration an additional temperature sensor is required, which is also available.

We have two models according to the type of OptiClimate:

1-55	250mm for OptiClimate 3500 or 6000
1-56	355mm for OptiClimate 10.000 or 15.000



PLENUMBOX

The PlenumBox box is installed on the back of the OptiClimate, and is used to channel the suction air through air hoses when the OptiClimate is used outside the room or in a dual room system.
We have different measures for each model of Opticlimat.

1-190	OptiClimate 3500	Measures: 480 x 399 mm	Flange: 250 mm
1-188	OptiClimate 6000	Measures: 597 x 497 mm	Flange: 250 mm
1-189	OptiClimate 10000	Measures: 688 x 497 mm	Flange: 355 mm
1-191	OptiClimate 15000	Measures: 890 x 538 mm	Flange: 355 mm



1-152
REMOTE CONTROL
FOR PRO SERIES

Remote control for OptiClimate PRO Series.



1-54
CABLE FOR
REMOTE CONTROL

Replacement cable for the OptiClimate remote control. Compatible with all models.
With the purchase of an OptiClimate the remote control is delivered but it is also available separately.



1-52
TEMPERATURE SENSOR

Temperature sensor for OptiClimate for all OptiClimate models
Available in different lengths:

1-133	2,5 m
1-52	10 m



AIR DISTRIBUTION HOSE

Air distribution hose for refrigeration systems from OptiClimate. Made with high quality transparent plastic anti-static with a thickness of 180 Mu. It has round holes along the length of the hose, located in the bottom 1/3 to ensure optimal air distribution.
Available in different diameters and lengths depending on the OptiClimate model and the surface to be cooled.

1-371	Ø 160mm x 3m (120m3 p/m, max length 6,5m)
1-372	Ø 160mm x 5m (120m3 p/m, max length 6,5m)
1-373	Ø 200mm x 3m (160m3 p/m, max length 8m)
1-374	Ø 200mm x 5m (160m3 p/m, max length 8m)
1-375	Ø 250mm x 3m (200m3 p/m, max length 10m)
1-376	Ø 250mm x 5m (200m3 p/m, max length 10m)
1-377	Ø 250mm x 10m (200m3 p/m, max length 10m)
1-378	Ø 315mm x 3m (240m3 p/m, max length 13m)
1-379	Ø 315mm x 5m (240m3 p/m, max length 13m)
1-380	Ø 315mm x 10m (240m3 p/m, max length 13m)
1-382	Ø 315mm x 15m (240m3 p/m, max length 15m)

AIR DISTRIBUTION TUBE HIGH FLOW

Used for fresh air intake or x-flow (over and over again blowing) with a 1 + 1 = 3 system. The hose has large round holes instead of all little ones like with a normal lvs. The hose can be used when large quantities of air need to be distributed.
The capacity per meter is much higher.

HIGH FLOW 1 SINGLE OUTPUT - 420m³/meter:
It has one row with round holes in the length and is used in a corner or against the wall.

HIGH FLOW 2 DOUBLE OUTPUT - 600m³/meter:
It has 2 rows with round holes and is used in the middle of a room.

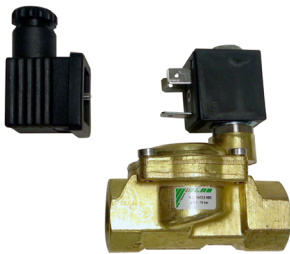
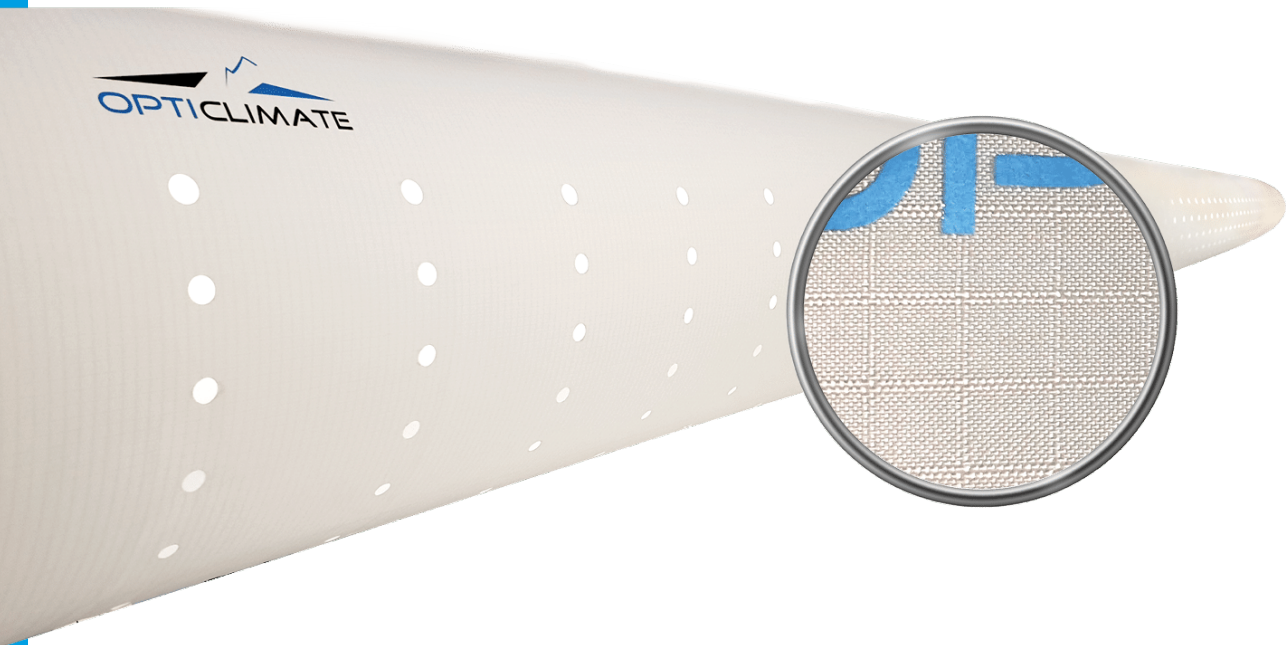
1-383	High Flow1 Single Output Ø 315mm x 6m (420m3 p/m)
1-384	High Flow1 Single Output Ø 315mm x 12m (420m3 p/m)
1-385	High Flow2 Single Output Ø 315mm x 5m (600m3 p/m)
1-386	High Flow2 Single Output Ø 315mm x 9m (600m3 p/m)
1-387	High Flow1 Double Output Ø 315mm x 6m (420m3 p/m)
1-388	High Flow1 Double Output Ø 315mm x 12m (420m3 p/m)
1-389	High Flow2 Double Output Ø 315mm x 5m (600m3 p/m)
1-392	High Flow2 Double Output Ø 315mm x 9m (600m3 p/m)

AIR DISTRIBUTION TUBE TEXTILE

The textile air distribution hoses are made of a breathable material where the air leaks through in very small quantities, as a result, no condensation will occur at the bottom of the hose. These hoses are used in professional applications where condensation drops are not desirable due to dripping or the formation of mold. The hose has pre-perforated holes in a calculated pattern so that the air outlet is parallel from the bottom to the side of the hose. The hose is equipped with hanging loops and is machine washable.

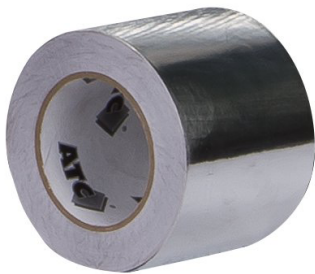
- Fire class B-S1-D0
- This is a fairly strict provision: the structure is (almost) not burning, emits little smoke and does not separate loose parts. The B-S1-D0 is therefore mainly applied at risky places.
- Cleanroom class No.4 (EN ISO 14644-1)
- This class falls well within the requirements for growing crops for consumption.
- Temperature -30°C to 110°C

1-401	Ø 250mm x 5m (200m3 p/m)
1-402	Ø 250mm x 10m (200m3 p/m)
1-404	Ø 315mm x 5m (240m3 p/m)
1-405	Ø 315mm x 10m (240m3 p/m)
1-406	Ø 315mm x 15m (240m3 p/m)



1-41
MAGNETIC VALVE

The OptiClimate magnetic valve comes standard with all models of the OptiClimate water-cooled airco and is also available separately.



3-106
ALUMINIUM TAPE (50X10 CM)

OptiClimate aluminium tape. This OptiClimate aluminium tape is 100% vapour-proof and adheres particularly well even at higher temperatures. Extra wide for a better seal. This aluminum tape is well suited to finish off the reflective foil or the thermal vapor-proof film. The tape is reflective and is used to seal the seams.

Size: 50m x 10cm



1-260
VIBRATION ISOLATOR SPRINGS

These shock absorbers provide 98% vibration isolation for a much quieter room. They have been meticulously calculated to withstand the weight of the unit and are the perfect solution for the contact insulation of the OptiClimate. Delivered in a package of 4 units. 4 different measures for each OptiClimate model:

1-269	OptiClimate 3500
1-270	OptiClimate 6000
1-271	OptiClimate 10.000
1-272	OptiClimate 15.000



1-18
WATER PRESSURE REDUCING VALVE

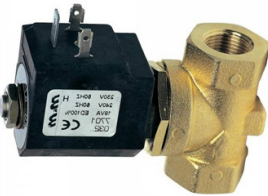
OptiClimate water pressure reducing valve with pressure gauge. High water pressure can create a rushing water sound in the water pipe of the OptiClimate. Should this occur, the pressure reducing valve reduces this noise as well as water hammer, also available. The pressure reducing valve with pressure gauge comes standard with all models of the OptiClimate but is also available separately.



1-10
CONDENSATION WATER LIFT PUMP

Required if the OptiClimate is installed lower than the drain. Max 4 meters lifting. Suitable for a 7/4MM PVC hose. The lift pump is required if the OptiClimate is installed below the drain and the condensation water cannot flow way from the slope.

Maximum lifting 4 meters. The connection is suitable for 7/4MM PVC hose. The lift pump is required if the OptiClimate is installed below the drain and the condensation water cannot flow way from the slope.



1-13
CONNECTION SET

OptiClimate connection set. The connection set comes standard with the OptiClimate. Separately available connection sets typically consists of:

- Magnetic valve
- LDPE connectors
- Vibration insulating rubbers with mounting hardware
- Condensate water connecting nipple
- Teflon tape
- Adhesive gel to prevent connectors from loosening over time
- 7m cord for securing the circuit board, and operating instructions



1-139
HYGROSTAT WITH LIGHT CELL

The hygrostat light cell activates the OptiClimate night mode and with this, the dehumidification of the room. The humidity sensor regulates the desired humidity during night mode.

When the lights come back on, the hygrostat activates the day mode of the OptiClimate. The hygrostat is included with the purchase of an OptiClimate, but can also be purchased separately.



BLUE INTERLINK CABLE VFD

OptiClimate Blue Interlink cable VFD to connect the smartbox with the OptiClimate Inverter

Available in different lengths:

1-578	Blue Interlink Cable VFD 5 meters
1-579	Blue Interlink Cable VFD 10 meters
1-580	Blue Interlink Cable VFD 20 meters



SMART REMOTE CONTROLLER REVOMAX

The OptiClimate Smart Remote Controller Revomax enables remote climate control and monitoring via Wi-Fi, for optimal indoor conditions with alerts on system status.

The remote controller is available in 2 variants. The Gold variant is compatible with OptiClimate PRO3, PRO4 and RevomaxII. The Silver variant is only compatible with the Revomax II.

1-7401	Gold
1-7804	Silver



FAN/PUMP INVERTER VFD 1.5KW

This system controls the fan and the pump through 2 inverters. The advantage of this system is a low power consumption and an even quieter system.

1-861	200-240V (1 phase)
1-862	380-480V (3 phases)



LIGHT SENSOR SMART PORT

2-550	5m
2-551	10m



WATER TEMPERATURE SENSOR
G1/4" THREAD SMART PORT

2-555	5m
2-556	10m



PRESSURE SENSOR 0-10 BAR
G1/4" THREAD SMART PORT

2-557	5m
2-558	10m



HIGH PRECISION DIGITAL TEMPERATURE
RH SENSOR SMART PORT

2-558	5m
2-559	10m



WATER COOLER SET

The water cooler set automatically controls the fan speed and only starts the pump when it is needed. The advantage of this fully automatic system is a lower power consumption, a quieter system and no manual adjustment required.

1-85705	watercooler <32kw, 5m sensor, for Revomax
1-85710	watercooler <32kw, 10m sensor, for Revomax
1-85805	watercooler >32kw, 5m sensor, for Revomax
1-85810	watercooler >32kw, 10m sensor, for Revomax
1-85505	watercooler <32kw, 5m sensor, for OptiClimate PRO3/ PRO4
1-85510	watercooler <32kw, 10m sensor, for OptiClimate PRO3/ PRO4
1-85605	watercooler >32kw, 5m sensor, for OptiClimate PRO3/ PRO4
1-85610	watercooler >32kw, 10m sensor, for OptiClimate PRO3/ PRO4



1-592
REPEATER BOX

The OptiClimate Repeater Box extends Smart Remote Controller commands to 8 channels, enabling control of up to 8 units for efficient climate management.



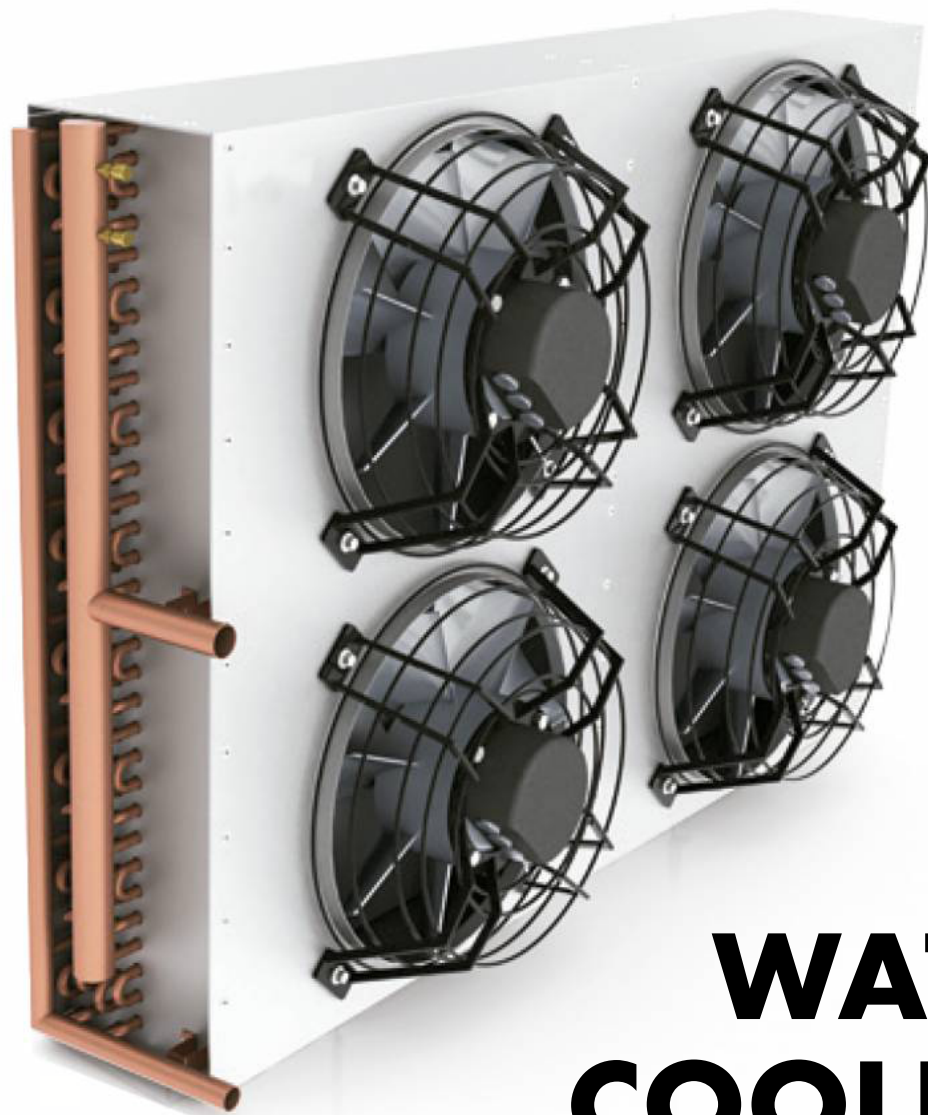
1-7853
HUMIDITY (RH) SENSOR + LIGHTCEL
REVOMAX

5 meters.



1-284
WATER LEAKAGE SENSOR
FOR OPTICLIMATE PRO 3/ PRO 4

5 meters.



WATER COOLERS

OPTICLIMATE COMPACT VERTICAL COOLER

Small and lightweight water chiller, ideal for small spaces in residential and commercial buildings.

- Capacity: from 4 to 53 kW
- Tube diameter: 3/8" smooth inner surface (S) and grooved inner surface (R)
- Fin spacing: 2,1 mm
- Fan motor diameters: 350 mm - 4 and 6 poles
- Available number of fan motors: from 1 to 2x3 fan motors

Available in different sizes and capacity cooling:

1-8011	4,5 kW: 620x192x410 5kg (1 fan)
1-8021	9 kW: 620x192x410 9kg (1 fan)
1-8041	14 kW: 1720x192x410 15kg (3 fans)
1-8061	18 kW: 1170x192x410 16kg (2 fans)
1-8073	32 kW: 1170x192x810 26kg (2x2 fans)

WATER COOLERS

MODELS



OPTICLIMATE INDUSTRIAL WATER COOLER VERTICAL FORMAT

Solid water chiller, with a large cooling capacity.

- Capacity: from 14 to 280 kW
- 3/8" tube diameter: grooved inner surface and high-efficiency fin with 2.1 mm spacing for turbo models
- 3/8" tube diameter: smooth inner surface and corrugated fin with 2.1 mm spacing for standard models
- Fan motor diameters: 450 mm, 500 mm and 630 mm - 4 poles, 6 poles and 12 poles
- Available number of fan motors: from 1 to 2x4 fan motors

Available in different sizes and capacity cooling:

1-8031	12 kW: 1025x933x600 63kg (1 fan) / 32dB(A)
1-8051	17 kW: 1025x933x600 76kg (1 fan) / 32dB(A)
1-8075	32 kW: 1600x983x600 125kg (1 fan) / 40dB(A)



1-8074 OPTICLIMATE INDUSTRIAL WATER COOLER HORIZONTAL FORMAT

Solid water chiller, with a large cooling capacity.

- Capacity: 32kW (to 626 kW on request)
- 3/8" tube diameter: grooved inner surface and high-efficiency fin with 2.1 mm spacing for turbo models
- 3/8" tube diameter: smooth inner surface and corrugated fin with 2.1 mm spacing for standard models
- Fan motor diameters: 800 mm and 910 mm - 6 poles, 8 poles and 12 poles
- Available number of fan motors: from 1 to 2x5 fan motors

WATER COOLERS

MODELS

TCF-15 TCF15 ADAPTIVE COOLING INCLUDED PUMPING AND FAN SPEED SYSTEM

TCF 15 is an Industrial dry cooler combined with an integrated pump and adaptive fan control. Provides 15 kW of Heat Transfer at 35 °C and 21 kW of Heat Transfer at 25 °C.

A complete solution, replacing the dry cooler and a separate pump group. Over 3 times more effective than simple machine drycoolers. Equipped with an adaptive fan controller which controls the speed of the fans, so they operate as silent as possible.

Heat Transfer 35°C	15 kW
Heat Transfer 25°C	21 kW
Dimensions	875 x 460 x 665 cm
Fans & Noise	1x 500 mm / 58-62dB(A)
Power (max)	Fan: 380W 50hz (1.7A) 480W 60hz (2.1A) Pump 185W (0.8A)
Power standard	230-240V 1Phase 50/60 Hz
Pump system & fittings	160 lpm / 42 GPM / 1" DN25 Smart Pump
Control system	Including fan controller with temperature sensor
Weight	40 kg

Advantages of TCF- 15 & TCF-40

- More compact design
- A-brand fan upgrade possible
- More stable and secure
- Built-in air vent
- Built-in ABI IBO pump
- Higher KW available at lower outdoor temperatures
- Built-in fan controller - temperature controlled
- Plug & play by working with hose grommets
- fan and pump separately fused with circuit breaker
- Pre-assembled fans and plug
- Anti-vibration feet included

- TCF-15 can be used with:
- up to 3/4 x Revomax II 6000
 - up to 2 x Revomax II 10000
 - 1 x Revomax II 15000
 - 1 x Revomax II 21000



WATER COOLERS

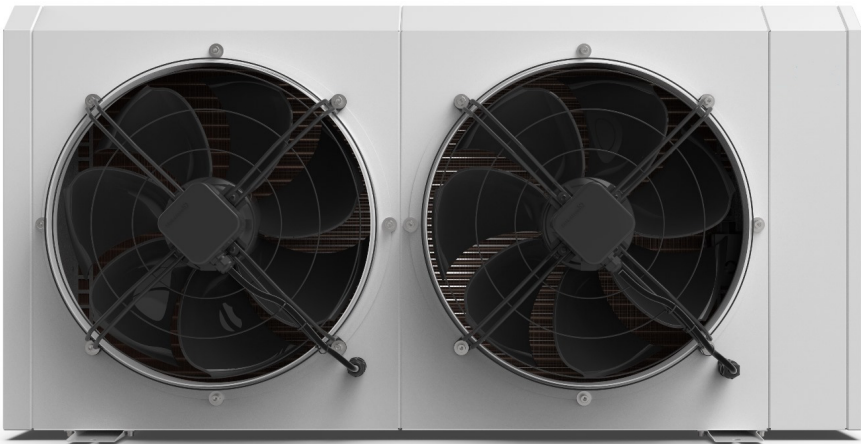
MODELS

TCF-40 TCF40 INTEGRATED COOLING INCLUDED PUMPING AND FAN SPEED SYSTEM

Immersion optimized dry cooler for the single immersion enclosure, combined with an integrated pump unit. Delivered with all the needed components to start an operation

Heat Transfer 35°C	40 kW
Heat Transfer 25°C	50 kW
Dimensions	1400 x 460 x 715 cm
Fans & Noise	2x 500 mm / 58-62dB(A)
Power (max)	Fan 2x 380W 50hz (1.7A) 480W 60hz (2.1A) Pump 185W (0.8A)
Power standard	230-240V 1Phase 50/60 Hz
Pump system & fittings	160 lpm / 42 GPM / 1" DN25 Smart Pump
Control system	Including fan controller with temperature sensor
Weight	80 kg

- TCF-40 can be used with:
- up to 4 x Revomax II 10000
 - up to 3 x Revomax II 15000
 - up to 2 x Revomax II 21000



OPTICLIMATE CO₂

CONTROLLERS AND GENERATORS



OPTICLIMATE CO₂

CONTROLLERS

2-17

MAXI CONTROLLER

The Maxi Controller is a modular control system for controlling the DimLux lighting system, a fan and the heating. The Maxi Controller controls and monitors the CO₂, vapor pressure deficit (VPD) and the plant temperature depending on the sensors chosen.

The Maxi Controller is able to control up to 160 DimLux Expert fixtures or Xtreme ballasts. The Maxi Controller is able to switch the lighting on or off silently by means of a built-in timer. The lighting can also be regulated variably until the desired output is reached.

The Maxi Controller can adjust the output according to the temperature of the room.

The DimLux lighting system is automatically dimmed once a certain temperature is exceeded. If the temperature is still too high, the Maxi Controller will switch off all or half the fixtures until the desired temperature has been reached.

The DimLux Expert fixtures or Xtreme ballasts can be connected directly to a wall socket. Only the time when this is to be switched on and off needs to be entered and the set is ready for use. The desired lighting intensity can be set using the + and – buttons.

The Maxi Controller is modular. The controller can be extended to include the aux box, smartbox, CO₂ sensor, a plant temperature camera, an RH sensor and a temperature sensor.





CO2 SENSOR FOR MAXI CONTROLLER

Separate OptiClimate CO2 sensor that can be connected to the DimLux Maxi Controller, and which also controls the CO2 generator or CO2 pressure reducing valve. The sensors use the Dual Beam NDIR technology which delivers unprecedented calibration stability and accuracy. Other CO2 sensors are Single beam and need to be regularly calibrated. Dual Beam sensors are two sensors in one where the measuring sensor is periodically adjusted by the second sensor. Because the second sensor is active only 5 minutes per month, it does not age or drift.

Available in different lengths:

1-523	5 m
1-523	10 m

1-101

CO2 PRESSURE REDUCING VALVE

This reducing valve, of industrial quality, is used to be installed in Co2 bottles. It has large and easy-to-use pressure gauges, with which an exact adjustment of 1 to 30L / min can be achieved for precise control of the climate in any room. Most of the valves on the market do not have this control capacity in the gas flow, with the only possibility of a flow of 15 liters / min. This causes peaks in CO2 levels. It connects to a hose of for example 10 - 12mm.



1-4

BIOGREEN NATURAL GAS (NG) 1 - 4KW

The Biogreen Co2 Generator works with pilot flame and in this way the control capacity is adjustable between 0.75 to 4.5 kW. The main advantage is that the capacity of the generator can be adapted to the specific requirements of the room, while the generators of fixed capacity cause spikes in the emissions of Co2.

During the growth period, the pilot flame provides enough CO2 to fill the space. This generator is suitable for spaces of 4 to 30 m2, depending on the efficiency of the extraction. For larger spaces, we recommend using several burners distributed in the space. Ideally, each OptiClimate should have its own CO2 generator.

The latest model comes with a pilot light that does not blink and with special mounting brackets for a totally secure installation.

- Kilowatts: 1-4
- Type of gas: natural gas (GN)
- Autopilot: Pilot Burner
- Suitable for spaces: 4 - 30 m2



1-5

BIOGREEN PROPANE (LPG) 1 - 4 KW

The Biogreen Co2 Generator works with pilot flame and in this way the control capacity is adjustable between 0.75 to 4.5 kW. The main advantage is that the capacity of the generator can be adapted to the specific requirements of the room, while the generators of fixed capacity cause spikes in the emissions of Co2.

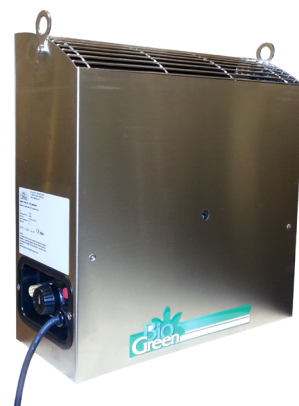
During the growth period, the pilot flame provides enough CO2 to fill the space. This generator is suitable for spaces of 4 to 30 m2, depending on the efficiency of the extraction. For larger spaces, we recommend using several burners distributed in the space. Ideally, each OptiClimate should have its own CO2 generator.

The latest model comes with a pilot light that does not blink and with special mounting brackets for a totally secure installation.

- Kilowatts: 1-4
- Type of gas: Propane (LPG)
- Autopilot: Pilot Burner
- Suitable for spaces: 4 - 30 m2

OPTICLIMATE CO2

GENERATORS



1-290

BIOGREEN ELECTRONIC IGNITION 1-4 KW NATURAL GAS (NG)

The Biogreen electronic ignition 4KW CO2 generator works without a pilot burner but with an electric ignition, and has the added benefit of lower gas consumption, however, it is less suitable for smaller spaces as it is not adjustable. The 4 KW model is suitable for 16 to 30 m2 rooms, depending on the extraction efficiencies. For larger rooms, we recommend that several heaters be used in different areas of the space, ideally with a CO2 generator for each OptiClimate.

The Biogreen electronic Ignition is ideal for use in combination with a Maxi Controller. You can also combine it with the DimLux Extreme or Expert series to create the best possible environment for all types of crops.



1-291

BIOGREEN ELECTRONIC IGNITION 1-4 KW PROPANE (LPG)

The Biogreen electronic ignition 4KW CO2 generator works without a pilot burner but with an electric ignition, and has the added benefit of lower gas consumption, however, it is less suitable for smaller spaces as it is not adjustable. The 4 KW model is suitable for 16 to 30 m2 rooms, depending on the extraction efficiencies. For larger rooms, we recommend that several heaters be used in different areas of the space, ideally with a CO2 generator for each OptiClimate.

The Biogreen electronic Ignition is ideal for use in combination with a Maxi Controller. You can also combine it with the DimLux Extreme or Expert series to create the best possible environment for all types of crops.

UVONAIR OZONE GENERATORS

MODELS



UVONAIR OZONE GENERATOR FOR PURIFYING THE AIR

The Ozone Generator is designed for installation in an extractor system and neutralises the bacteria and moulds in the discharge air. But you can also opt to use an ozone generator in line with a carbon filter so that if the filter breaks down the Ozone system will act as a second filter and destroy all bacteria and mould spores. Heavy-duty ozone generators are typically of the CD Corona Discharge type that produce ozone through electrical discharge. However, because these types of generators release by-products into the air, they may only be used for outdoor ozone generators. If you would like to use an ozone generator in the room, you should opt for an In-Room Ozone Generator.

A variable control switch fitted to the ozone generators allows you to adjust the ozone output according to the level of contamination in the air. Please bear in mind to put a dust filter in the generator to keep it clean, otherwise the ozone generator will break down.

uvonair®

UVONAIR

OZONE GENERATORS

MODELS



4-127

UVONAIR UV-80H OZON GENERATOR

Uvonair UV-80H is an economical system that produces ozone using special ultra violet light bulbs. Ideal for rooms up to 5000-10000 cu.ft. (150-300m3). Fits 8" (20 cm) ducts but can be installed into other size ducts using adapters. For larger areas use a Uvonair CD model.

- Name: Uvonair UV-80H
- Ozone production: 135 mg or 270 mg per hour
- Suitable for: 8" (20 cm) ventilation system
- Suitable for spaces: 5000 - 10000 cubic feet (150 - 300 cubic metres / m3)



4-126

UVONAIR CD-800 OZON GENERATOR

Uvonair is a high output Corona Discharge generator that produces more ozone than any others known at this time. It is adjustable to match the ozone demand load for odor control as well as provide energy conservation in low demand periods.

The Uvonair CD-800 ozone generator will treat all odors being exhausted by an 8" (20cm) ventilation system under most circumstances. Intended for rooms up to 20,000 cu.ft. (600 m3). Installs into other size ducts with adapters. Set the adjustable output by monitoring the exhaustable output by monitoring the exhaust air for odors

The Uvonair CD-800 is maintainance free. Adapters are not included. Use in combination with a ventilation system.

- Name: Uvonair CD-800
- Ozone production: 1100 mg per hour
- Suitable for: 8" (20 cm) ventilation system
- Suitable for spaces: 20000 cubic feet (600 cubic metres / m3)

UVONAIR

OZONE GENERATORS

MODELS



4-123

UVONAIR CD-1000-1 OZON GENERATOR

The Uvonair CD-1000-1 Ventilation Ozone System is an air purifier that will treat all bacteria and odors being exhausted by an 10" (25cm) ventilation system under most circumstances. Uvonair CD-1000-1 is a high output Corona Discharge ozone generator that produces more ozone than any others known at this time. It is adjustable to match the ozone demand load for odor control as well as provide energy conservation in low demand periods. The CD generator does not require servicing.

Set the adjustable output by monitoring the exhaustable output by monitoring the exhaust air for odors.

- Name: Uvonair CD-1000-1
- Ozone production: 1800 mg per hour
- Size UV lamp: None
- Suitable for: 10" (25cm) ventilation system
- Suitable for spaces: 20000 cubic feet (600 cubic metres / m3)



4-124

UVONAIR CD-1000-2 OZON GENERATOR

Uvonair CD-1000-2 is a high output Corona Discharge generator that produces more ozone than any others known at this time. It is adjustable to match the ozone demand load for odor control as well as provide energy conservation in low demand periods. The CD generator does not require servicing.

The Uvonair CD-1000-2 ozone generator will treat all odors being exhausted by an 10" (25cm) ventilation system under most circumstances. Intended for rooms up to 1200 m3. Installs into other size ducts with adapters. Set the adjustable output by monitoring the exhaustable output by monitoring the exhaust air for odors.

- Name: Uvonair CD-1000-2
- Ozone production: 3000 mg per hour
- Suitable for: 10" (25cm) ventilation system
- Suitable for spaces: 40000 cubic feet (1200 cubic metres / m3)

UVONAIR

OZONE GENERATORS

MODELS



4-125

UVONAIR CD-1200 OZON GENERATOR

Uvonair CD-1200 is a high output Corona Discharge generator that produces more ozone than any others known at this time. It is adjustable to match the ozone demand load for odor control as well as provide energy conservation in low demand periods. The CD generator does not require servicing.

The Uvonair CD-1200 ozone generator will treat all odors being exhausted by an 12" (30cm) ventilation system under most circumstances. Intended for rooms up to 3000 m3. Installs into other size ducts with adapters. Set the adjustable output by monitoring the exhaustable output by monitoring the exhaust air for odors.

- Name: Uvonair CD-1200
- Ozone production: 5800 mg per hour
- Suitable for: 12" (315mm) ventilation system
- Suitable for spaces: 100000 cubic feet (3000 cubic metres / m3)



4-120

UVONAIR 1000 IN-ROOM OZON GENERATOR

The Uvonair 1000 room ozone system is a air purifier which neutralises odours and inhibits moulds and bacteria in the air by means of Ozone. Ozone neutralises odours and inhibits moulds and bacteria in the air. The Uvonair 1000 produces enough ozone to help keep the air fresh and clean in areas up to 1000 cubic feet (30 cubic metres / m3). Great for keeping rooms free of infections, moulds and eradicating smells.

The Uvonair 1000 In-Room Ozone Generator is a professional quality ozone generator that uses a 150mm (6 inch) ultraviolet lamp to produce 7,2mg of ozone per hour. The Uvonair 1000 then uses a fan to release and spread the ozone into a room. When ozone is released into a room, it neutralises odours, bacteria and mould spores that it comes into contact with, making the air considerably cleaner and fresher-smelling. The Uvonair 1000 is highly effective in a room up to 1000 cubic feet (30 cubic metres / m3) in size. The Uvonair 1000 incorporates a convenient power switch so that the unit can be easily switched on and off.

- Name: Uvonair 1000 Room Ozone System
- Ozone production: 7,2 mg per hour
- Size UV lamp: 150 mm (6 inch)
- Suitable for: Placement in room instead of ventilation system
- Suitable for spaces: 1000 cubic feet (30 cubic metres / m3)

UVONAIR

OZONE GENERATORS

MODELS



4-121

UVONAIR 3000 IN-ROOM OZON GENERATOR

Uvonair CD-1000-2 is a high output Corona Discharge generator that produces more ozone than any others known at this time. It is adjustable to match the ozone demand load for odor control as well as provide energy conservation in low demand periods. The CD generator does not require servicing.

The Uvonair CD-1000-2 ozone generator will treat all odors being exhausted by an 10" (25cm) ventilation system under most circumstances. Intended for rooms up to 1200 m3. Installs into other size ducts with adapters. Set the adjustable output by monitoring the exhaustable output by monitoring the exhaust air for odors.

- Name: Uvonair CD-1000-2
- Ozone production: 3000 mg per hour
- Suitable for: 10" (25cm) ventilation system
- Suitable for spaces: 40000 cubic feet (1200 cubic metres / m3)



4-122

UVONAIR 5000 IN-ROOM OZON GENERATOR

Uvonair 5000 Room Ozone System is a air purifier which neutralises odours and inhibits moulds and bacteria in the air by means of Ozone. The Uvonair 5000 produces enough ozone to help keep the air fresh and clean in areas up to 5000 cubic feet (150 cubic metres / m3). Great for keeping rooms free of infections, moulds and eradicating smells.

The Uvonair 5000 In-Room Ozone Generator is a professional quality ozone generator that uses a 355mm (14 inch) ultraviolet lamp to produce 47mg of ozone per hour. The Uvonair 5000 then uses a fan to release and spread the ozone into a room. When ozone is released into a room, it neutralises odours, bacteria and mould spores that it comes into contact with, making the air considerably cleaner and fresher-smelling. The Uvonair 5000 incorporates a convenient power switch so that the unit can be easily switched on and off.

Please note that too much ozone can be harmful. With a test strip there can be measured if not too much ozone is created.

- Name: Uvonair CD-1000-2
- Ozone production: 3000 mg per hour
- Suitable for: 10" (25cm) ventilation system
- Suitable for spaces: 40000 cubic feet (1200 cubic metres / m3)

UVONAIR

OZONE GENERATORS

MODELS

UVONAIR IN-ROOM OZON GENERATOR LAMP REPLACEMENTS

- 4-290** | UV Lamp Uvonair 1000 In Room Ozon Generator
 - 4-291** | UV Lamp Uvonair 3000 In Room Ozon Generator
 - 4-292** | UV Lamp Uvonair 5000 In Room Ozon Generator
-

