315 WATT FULL SPECTRUM
Complete fixture with 315W Xtreme ballast.
■ Power consumption at 315W: 331W, 1.4A at 230V
■ Power consumption at boost 380W: 399W, 1.7A at 230V
■ Software: FW 4.00.003 (7/2022)
■ Illumination modes:
- 315W: 331W (4.55%)
- 345W: 360W (10.76%)
- 380W: 399W (11.96%)
■ Affinity: 2W connection for active extraction
■ Dimensions: 530x275x130mm (20.8”x10.8”x5.1”)
■ Weight: 4.9kg (10.80lbs)

630 WATT DUAL FULL SPECTRUM
Complete fixture with 630W Xtreme ballast.
2x315W Full Spectrum Philips lamp and Alpha Optics 98 Reflector
■ Power consumption at 630W: 662W, 2.7A at 230V
■ Power consumption at boost 760W: 799W, 3.5A at 230V
■ Software: FW 4.00.003 (7/2022)
■ Illumination modes:
- 630W: 662W (10.76%)
- 690W: 733W (11.96%)
- 760W: 799W (11.96%)
■ Affinity: 2W connection for active extraction
■ Dimensions: 675x275x130mm (26.5”x10.8”x5.1”)
■ Weight: 6.3kg (13.88lbs)

1.000 WATT DE EL UHF
Complete fixture with 1.000W Xtreme ballast, 1,000W Premium German lamp and Alpha Optics 98 Reflector
■ Dim levels: Soft-Off, 600W, 700W, 800W, 900W, 1.000W, 1.100W, 1.200W
■ Power consumption at 1.000W: 1.050W, 4.5A at 230V
■ Power consumption at boost 1.200W: 1.260W, 5.2A at 230V
■ Software: FW 4.00.003 (7/2022)
■ Illumination modes:
- 1.000W: 1050W (10.76%)
- 1.100W: 1150W (11.96%)
- 1.200W: 1260W (11.96%)
■ Affinity: 2W connection for active extraction
■ Dimensions: 675x275x130mm (26.5”x10.8”x5.1”)
■ Weight: 6.3kg (13.88lbs)
**DIMLUX EXPERT SERIES**

**OPTIMAL CONTROL, MAXIMUM PERFORMANCE!**

**DIMLUX EXPERT SERIES**

The DimLux Expert Series is the most advanced and complete lighting system on the market. The DimLux Expert Series combines the best of two worlds. The Alpha Optics 98 Reflector in combination with the Xtreme ballast is a complete fixture with the highest level of reflector efficiency and light output on the market.

All the options of the DimLux will be used to maximum benefit if used in combination with the Maxi Controller.

**Alpha Optics 98 Reflector**

The Alpha Optics 98 reflector was designed according to the Single Bounce Clear Sight (SBCS) principle and is equipped with NanoTube mirrors. This ensures the highest possible level of efficiency (98%) of any commercially available horticultural reflector. The reflector is fitted with adjustable side reflectors for better enveloping and minimizing wall losses.

Thanks to the open reflector design, the lamp is passively cooled, which improves both the service life and efficiency of the lamp. Waste air can actively be exhausted through a 3D air connection on the reflector which reduces the case temperature significantly. In addition, separately variable reflectors can be installed to further reduce wall losses. To be used with 200-750W lamps. The reflector is replaceable.

**DimLux Xtreme Ballast**

The DimLux Xtreme Ballast achieves the highest possible light output due to the oversize technology. In combination with the 400V control.

The DimLux Xtreme Series 400-600W is a ballast suitable for both 400W and 600W lamps. You no longer need to choose.

The Xtreme ballast is also available in a 600W 1,000W version. A professional 400V EL electric lamp is connected to this ballast via 230V mains voltage. The combination of this DimLux Xtreme ballast and the GreenPower 400V EL plus ensures an unparalleled quantity of growth light.

The Loose Xtreme ballast is also available in an EL version (with the AUX BOX or the FAN/AUX BOX), Safety features for preventing short circuits, open contact, mains voltage, EOL function (indication to replace lamps), Extensive diagnostic LEDs, Can be variably dimmed via the Maxi Controller.

The Maxi Controller can control up to 160 DimLux Expert fixtures or DimLux 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 when 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 systems or Xtreme ballasts can be connected directly to a wall outlet. Only the time when this is to be switched on and off needs to be entered and the ratio ready for use. The desired lighting intensity can be set using the + and – buttons.

**Gas Protect Sensor**

The data are stored on a USB stick (Datalog version).

**Maxi Controller**

- Controlling a maximum of 160 DimLux Expert fixtures or ballasts
- Switching DimLux lighting on or off manually or automatically
- Timing of services or events
- Measuring ambient temperature via a temperature sensor
- Relative humidity via an RH sensor
- Measuring plant temperature via plant temperature camera
- Display of movable pressure deficit (VPD)
- Controlling CO₂ via a CO₂ sensor
- Displaying temperature and relative humidity via Gas Probed CO₂ sensor
- Display of air/moisture value via all sensors with a time stamp
- Datalog function for all sensors

The Maxi Controller can also work with expirience times for example, 10 hours on and 10 hours off. This setting reduces the total cycle by almost 30%. Service and event can also be controlled.

The Maxi Controller also has a Thermostat/Hygrostat function. It is also possible to regulate the level of CO₂ in closed rooms via an extremely accurate dual beam CO₂ sensor. The CO₂ sensor is able to control CO₂, generators and CO₂ installations.

**DimLux Expert Series fixtures and Xtreme Ballasts**

- The highest output (light) due to the oversize (boost) and 400V technology
- The broadest drainage range of all digital ballasts
- Soft-Start, Soft-Off function
- Can be dimmed manually in 8 steps including the “off” position
- Carbon monoxide via the Maxi Controller
- Extensive diagnostic LEDs
- EOL induction (replacement lamp)
- Safety features for preventing short circuits, open contact, high temperature, too low voltage, too high voltage
- The loose Xtreme ballast is suitable for both 400W and 600W lamps.
- The loose Xtreme ballast is available also in an EL version.

**Datalog function**

- Data log function for all sensors
- Display of min/max value for all sensors with a time stamp
- Datalog function for all sensors

The Maxi Controller can also include the AUX BOX, Fan/AUX BOX, CO₂ sensor, CO₂ Gas Probed sensor, a plant temperature camera, an RH sensor and a temperature sensor.