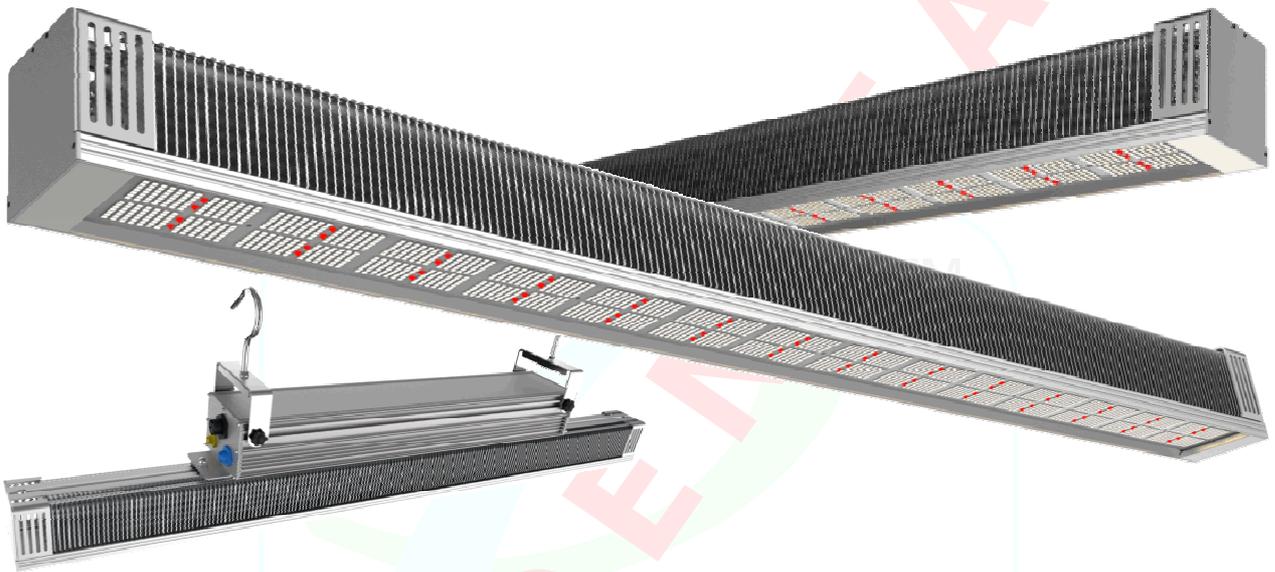


GroFlux-330TM and GroFlux-530TM 330W & 530W LED Grow-lights

EconoLux introduces the GroFluxTM series of LED Grow Lights, which are ideal for all types of growing application including hydroponics, aquaponics and soil growing, where medium to high power, with a compact format, top-light LED grow lights, and high PPFD are needed. The GroFluxTM series comes equipped with 0-10V dimming built in.

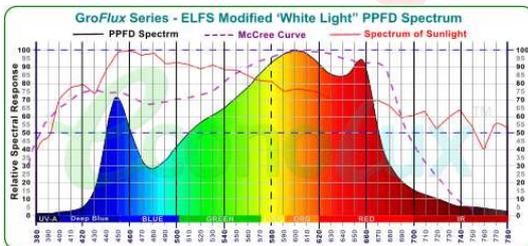


INCREASED YIELDS

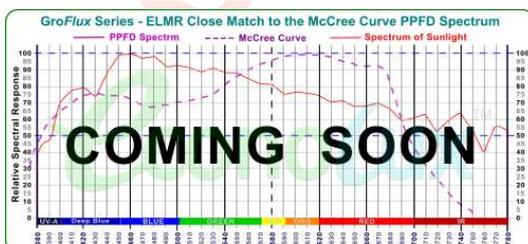


The GroFluxTM series of LED Grow lights have been tested in various greenhouses where they produced better crops in less time than competing typical blue/red/pink LED grow-lights, and HPS lights. This is due to their improved spectrum that has a 70% match to the McCree curve (ELFS), and a high efficiency of 2.6 $\mu\text{moles/J}$ - similar competing lights usually have only a 65% match to the McCree curve and efficiencies of 2.4 $\mu\text{moles/J}$ (or less).

SPECTRA



The GroFlux-330TM and GroFlux-530TM lights are available with the standard ELFS spectrum which is based on the popular modified 'White Light', good enough full spectrum, with output throughout the PAR range from 400nm to 750nm (PPFD spectrum shown). This spectrum curve has a good balance between the ideal spectrum (McCree curve), and cost, with a 70% match to the McCree curve.

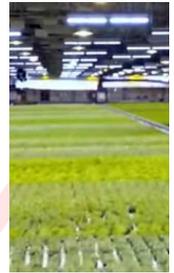


The GroFlux-330TM and GroFlux-530TM LED grow-lights will also be available with a spectrum that has a closer match to the McCree curve (80% to 85%). The McCree curve is the spectral curve that scientists have determined is the best for growing a variety of crop plants. The extra UV and blue light provided in the ELMR spectrum is ideal for growing leafy green plants such as lettuce, kale, etc., and for cloning and germination of all types of plants.

ADVANCED LED TECHNOLOGY

The GroFlux-330™ and GroFlux-530™ LED grow lights utilize high-efficiency SMT LEDs with proprietary phosphors, to maximise PAR/PPFD output. There are more LEDs than needed, that allows us to de-rate the array, which extends the lifespan of the LEDs, thus we can offer a 3 year warrantee.

The GroFlux™ Series are built with the most advanced, proprietary, LED technology to insure maximum PAR/PPFD output, wide beam-spread of 120 degrees, even top lighting, long service life, and maximum energy savings.



PASSIVE COOLING AND RUGGED CONSTRUCTION



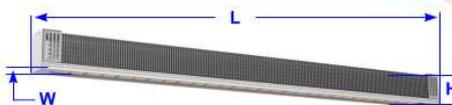
The housings of the GroFlux™ series LED lights are designed as a massive finned heat-sink for effective passive cooling - this means no noisy, high maintenance, fans. With an IP-65 water and dust proof rating, they are ideal for use in the high humidity conditions found in greenhouses. The GroFlux-330™ and GroFlux-530™ are equipped with RoHS/CE/ETL approved, IP65, LED drivers which feature universal power input of 100VAC to 270VAC, 50/60 Hz, with dimming- the GroFlux™ series can operate anywhere in the world.

MAXIMUM ENERGY AND MAINTENANCS SAVINGS

The GroFlux™ series LED grow lights can save energy costs compared to conventional grow lights, while increasing crop yields. The GroFlux-330™ can replace a 500W HPS lamp and the GroFlux-530™ can replace 800W of HPS lamps - an average of 39% power saving, while saving time and money on maintenance as the annual bulb changes required by typical conventional lights is not needed anymore since the LEDs will last 50,000 hours.

The GroFlux™ series includes built in dimming, controlled by the most used 0-10V input, so you can give your plants the light they need, or fade-in and fade-out the lights to simulate sunrise and sunset light levels.

MODELS - DIMENSIONS & WEIGHTS*



The GroFlux™ LED grow lights are available in two models depending on the desired output power - 330W or 530W.

DIMENSIONS: GroFlux-330™ - L X W X H = 100cm (39.4") X 8.5cm (3.3") X 18cm (7.1")
 GroFlux-530™ - L X W X H = 114cm (44.9") X 8.5cm (3.3") X 18cm (7.1")

WEIGHTS: GroFlux-330™ - 7.1Kg (15.65Lbs) | GroFlux-530™ - 9.8Kg (21.61lbs)

MODEL & McCree Curve Match	WATTAGE	Output PAR/PPFD	Efficiency
GroFlux-330™ -ELFS - 70%	330 Watts	825 µmoles/s	2.5 µmoles/J
GroFlux-530™ -ELFS - 70%	530 Watts	1,370 µmoles/s	2.5 µmoles/J

* Based on prototypes - specifications subject to change due to continuous product improvement

CUSTOMZATION

The spectrum of the GroFlux™ Series of LED Grow-lights can be modified/customized to suit your needs (subject to MOQ). The GroFlux™ series can also be customized with your logo, brand-name, and model name/number (subject to MOQ).