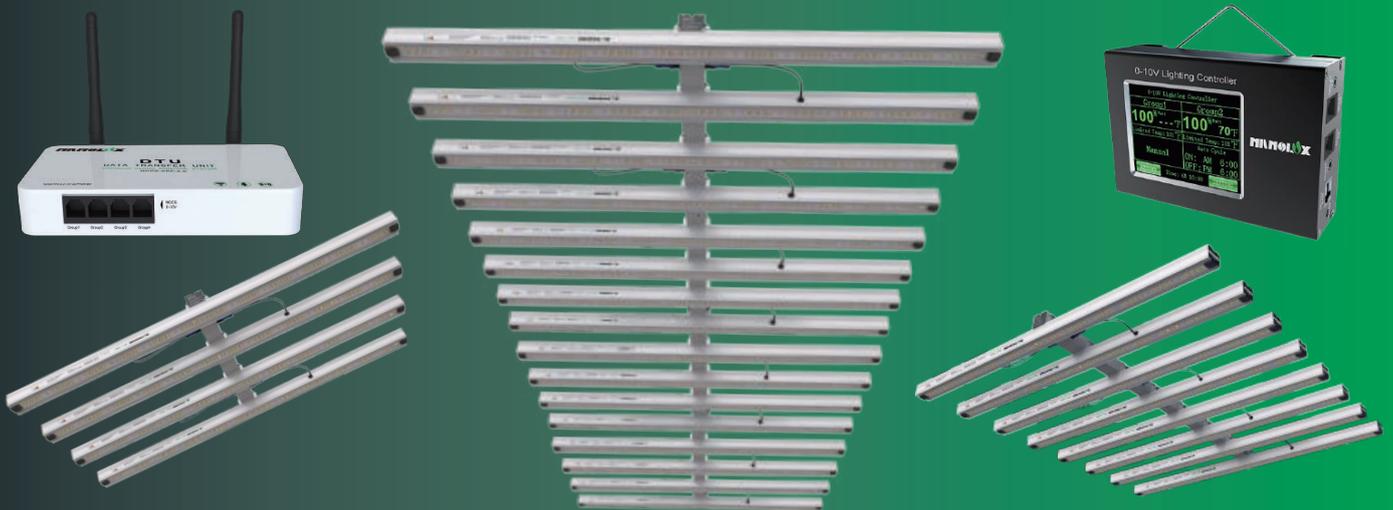


NANOLUX Australia

LEDex F110

Modular Horticultural LED Lighting System



Nanolux LEDex Series Fixtures are designed for full-cycle commercial cultivation that features many advantages compared with traditional light sources, bringing new efficiencies for your grow facility that weren't possible before. This technology is revolutionizing the horticultural lighting industry in both lowering electric usage and increasing overall crop yield.

Nanolux distributes the 110W bars individually in case quantities. This allows you to utilize only the number of light bars as needed per track to meet your overall required PPFD on your canopy. The individual LED bars can also be used individually for side in intra canopy lighting without the track.

Nanolux has designed its LED fixture around a modular concept. We sell tracks in 2', 4' and 8' lengths.

The tracks are designed for the 2' track to accept 2-4 bars, the 4' track to accept 4-8 bars and the 8' track to accept 8-16 bars. This allows the end user to be able to adjust the overall light intensity over the canopy area and allows for greater ability to raise and lower the light over the canopy while maintaining a desired umol count.

Nanolux has designed five different bars with five different specific light frequency outputs.

Full white, Blue, Blue/Red, Red and UV. This allows the end user to mix for white light with specific frequencies to aid in vegetative and flower growth.

LEDex Series fixtures allow random start, soft start, soft dimming capabilities, and feature over temperature protection, under voltage protection and open/short circuit protection.

It is 0-10V SLC & DTU NCCS -APP -2.0 (the "DTU 2.0") COMPATIBLE, allowing control of your lighting with 0-10V protocol. Particularly, 0-10V output protocol has been added to control lighting on the NCCS APP, provided that the NEW DTU NCCS- APP-2.0 is applied.

The units can be used at any voltage range between 110-277 volts.

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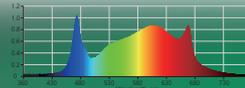


LED 110W Bars

LED Bar - Full Spectrum White

Model	LEDex F110
Input Voltage	AC120V/208V/240V/277V
Total UMOL Output	299.8 μ mol/s

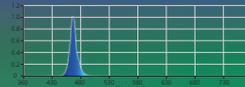
Efficacy	2.70-2.75 μ mol/J
Spectrum	Full Spectrum, White
Light Distribution Angle	120°



LED Bar - Blue(450nm)

Model	LEDex B110
Input Voltage	AC120V/208V/240V/277V
Total UMOL Output	297.5 μ mol/s

Efficacy	2.70-2.75 μ mol/J
Spectrum	Blue
Light Distribution Angle	120°



LED Bar - Red(660nm)/Blue(450nm)

Model	LEDex R/B110
Input Voltage	AC120V/208V/240V/277V
Total UMOL Output	286.3 μ mol/s

Efficacy	2.60-2.65 μ mol/J
Spectrum	Red/Blue
Light Distribution Angle	120°



LED Bar - Red(660nm)/730nm

Model	LEDex R110
Input Voltage	AC120V/208V/240V/277V
Total UMOL Output	269.5 μ mol/s

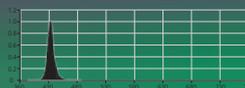
Efficacy	2.45-2.50 μ mol/J
Spectrum	Red
Light Distribution Angle	120°



LED 55W UV Bar

Model	LEDex UV55
Input Voltage	AC120V/208V/240V/277V

Efficacy	500mW/J
Spectrum	UV
Light Distribution Angle	120°



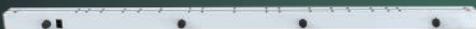
LED Track

2' LED Track - Maximum of 4pcs 110W bar per Track- 440W total



Input Voltage: AC120V/208V/240V/277V	Maximum Use of 4 Bars Input Amperage: 3.72A/2.11A/1.82A/1.57A	Input Frequency: 50/60Hz	Power Factor: ≥95%	Total Harmonic Distortion: ≤10%	Size: 603x50x43mm
 220Watt 600 μ mol/s	 330Watt 900 μ mol/s	 330Watt 900 μ mol/s	 440Watt 1200 μ mol/s		

4' LED Track - Maximum of 8pcs 110W bar per Track- 880W total



Input Voltage: AC120V/208V/240V/277V	Maximum Use of 8 Bars Input Amperage: 7.44A/4.22A/3.63A/3.14A	Input Frequency: 50/60Hz	Power Factor: ≥95%	Total Harmonic Distortion: ≤10%	Size: 1203x50x43mm
 440Watt 1200 μ mol/s	 550Watt 1500 μ mol/s	 660Watt 1800 μ mol/s	 770Watt 2100 μ mol/s	 880Watt 2400 μ mol/s	

8' LED Track - Maximum of 16pcs 110W bar per Track-1760W total



Input Voltage: AC120V/208V/240V/277V	Maximum Use of 16 Bars Input Amperage: 14.88A/8.44A/7.26A/6.28A	Input Frequency: 50/60Hz	Power Factor: ≥95%	Total Harmonic Distortion: ≤10%	Size: 2410x50x50mm			
 880Watt 2400 μ mol/s	 990Watt 2700 μ mol/s	 1100Watt 3000 μ mol/s	 1210Watt 3300 μ mol/s	 1320Watt 3600 μ mol/s	 1430Watt 3900 μ mol/s	 1540Watt 4200 μ mol/s	 1650Watt 4500 μ mol/s	 1760Watt 4800 μ mol/s

X 110W UV



SMART ONTROLLER

0-10V x 120 fixtures
HID and LED

