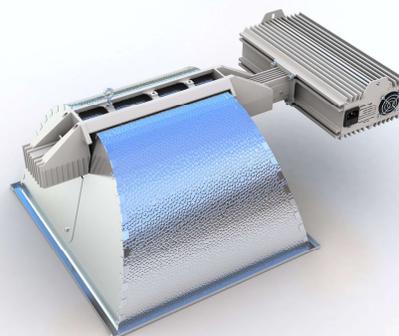


******DO NOT USE DE COMMERCIAL REFLECTORS OVER SMALLER GROWS******



We at Nanolux have found an unfortunate growing number of cases of misuse of commercial DE fixtures in smaller non-commercial horticultural operations. Consumers have to realize that one of the largest features of commercial open DE fixtures is their wide and large light footprint allowing for “Commercial Overlap.” The light spread on a commercial DE fixture is well over 10’ wide in a typical installation height. This is not practical if you are growing over a 4’ x4’ tray. The Nanolux DEFNC 4x4 fixture is designed to produce vertical light penetration over a 4’ x 4’ tray. The reflector is designed to have ALL of the available light fall onto a 4’ x 4’ grid at a 24” install height over the canopy top. There is no stray light falling beyond each side of the tray, as would be the case with our commercial DE fixture. With the higher concentration of light falling onto the 4x4 grid, many growers report having to dim the fixture—doing so also helps reduce power consumption.

This is the reason that we DO NOT offer our commercial DE fixtures in 120V presentations. If you are using 120V, you are most likely using a limited number of fixtures (<10) which is generally NOT considered a commercial installation and does not require the application of the commercial overlap or its light interlacing effect.

The DEFNC 4x4 comes with an NCCS compatible, 120/240V fan style DE high frequency ballast.

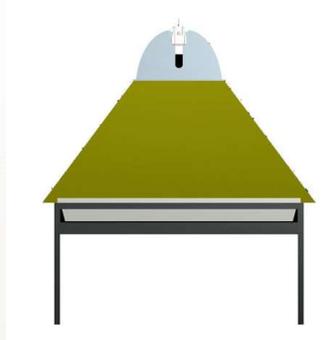
- Maximized light footprint of 5’ x 5’ for use over a 4’ x 4’ tray
- Minimized light loss outside of canopy area of a 4’ x 4’ tray
- Cool running DE Ultra High Frequency Nanolux Ballast
- Up to 1200W of output with an industry high 2520umol output

Model	Power (W)	Input Voltage(V)	Max Input Current(A)	Bulb	Dimming Settings	Power Factor	THDI	CF	Weight (lbs)	Size(inch)	Rated Input Frequency(Hz)
DE 4X4 fixture	1000	120-240	9/4.5	DE	1200W/1000W/825W/750W/660W/600W	≥0.99	≤10%	<1.7	13.1	26.3*11.6*10.7	50/60

Comparisons:

Nanolux DEFNC 4x4

- A 4x4 grid 24" from the bottom of hood receives 89% of light coming out of the hood
- A 4x4 grid 36" from the bottom of the hood receives 68% of the light coming out of the hood



Nanolux DEF commercial reflector

- A 4x4 grid 24" from the bottom of the reflector receives 55% of the light coming out of the reflector
- A 4x4 grid 36" from the bottom of the reflector receives 34% of the light coming out of the reflector

