

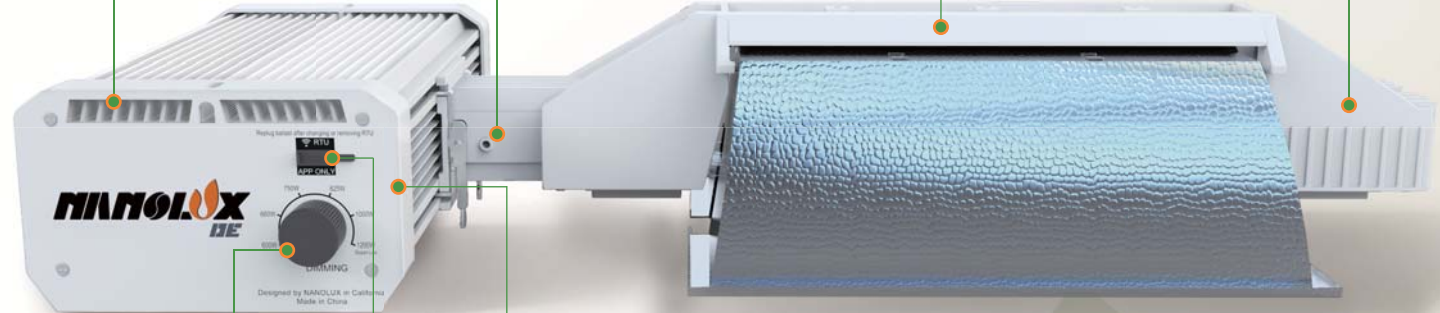
NANOLUX EXCLUSIVE FEATURES THAT SEPARATES NANOLUX FROM OTHER BRANDS

CLASS LEADING
LOWEST OPERATING
TEMPERATURE BALLAST

BALLAST & REFLECTOR
CAN SEPARATE FOR
REMOTE BALLAST
PLACEMENT IF DESIRED

LOWEST PROFILE FIXTURE ON
THE MARKET ALLOWING FOR
MAXIMUM PLANT HEIGHT

HEAVY DUTY DIE CAST
ALUMINUM BRIDGE
WILL NOT RUST



EXCLUSIVE 1200W
OVERDRIVE. MOST LUMEN
OUTPUT ON THE MARKET

208-240V RANGE.
277V, 347V

THE ONLY WIRELESS CONTROLLED DE FIXTURE ON THE MARKET
NO NEED FOR RELAYS/LIGHT CONTROL PANELS OR TIMERS

REDESIGNED & UPGRADED
REFLECTOR THAT PROVIDES 8%
BETTER LIGHT UNIFORMITY THAN
THE LEADING COMPETITION.
97% GRM (GERMAN REFLECTIVE MATERIAL)



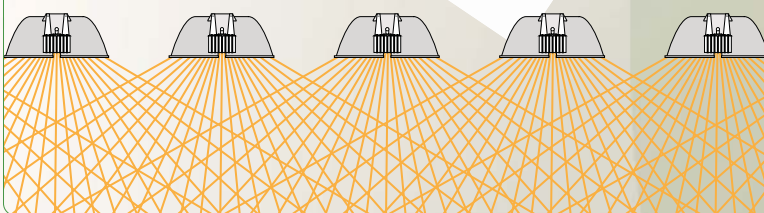
EXCLUSIVE CERAMIC
INDUSTRIAL GRADE
RECEPTACLES

We've pushed the newest & hottest technology in lighting to the next level. We've increased the standard 1150W to 1200W producing class leading luminous flux of 160,300lm. The upgraded components, like ceramic lamp receptacles, make the Nanolux DE Fixture the safest on the market.

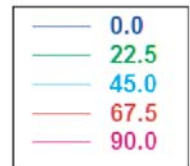
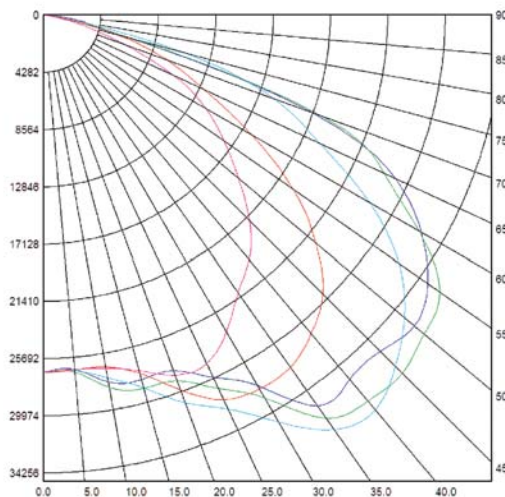
This fixture is commercial grade so its design quality and durability are second to none. The Nanolux DE fixtures are NCCS APP ready. NCCS APP(Nanolux Cloud Control System) is one of the many technologically advanced features offered exclusively by Nanolux. With NCCS APP, you will be able to control up to 999 lights on your computer.

Like all of our ballasts the DE comes with random start technology. Random start uses an algorithm that will start the ballast within a 0-15 second window. This allows for less initial power draw when using multiple ballasts.

Commercial overlap provides both vertical and horizontal canopy penetration



NANOLUX SQ REFLECTOR DISTRIBUTION CURVE



ILLUMINANCE 3' PLANE DATA

AVERAGE	2500.2859
MAXIMUM	4038.1377
MINIMUM	1207.0677
AVG/MIN	2.0714
MAX/MIN	3.3454

DE FIXTURES electrical

1000W/600W DATA

		Voltage	1000W Ballast @ 100% Setting	600W Ballast @ 100% Setting
Certifications	FCC, ETL, CE	220V	4.6	2.8
Input Frequency	50/60 HZ	240V	4.3	2.6
Power Factor	≥0.99	277V	3.8	2.2
THD	≤10%	347V	3	1.8
NCCS	Compatible	480V	2.2	1.3

- NCCS APP ready - DTU and RTU sold separately
- Nanolux sunrise/sunset with additional hi-temp shutdown
 - Features through NCCS APP router
- Out of the box plug and play installation
- Best commercial fixture in its class for light uniformity reflector
- Dimming
 - 1000W - 6 phase dimming (600-1200 WATTS)
 - 600W - 5 Phase dimming (300-660 WATTS)
- These unit include a Nanolux DE lamp
 - 1000W (2100 μ mol) 600W (1150 μ mol)
- Patented and exclusive ceramic receptacles (no melting plastic)
- Other interchangeable reflector options (COMING SOON)
- Compatible with other industry DE lamps
- Slow soft start, open circuit and low voltage protection
- 3-Year warranty on fixtures and 1 year warranty on lamp
- Input voltage 208/220/240Vac, 277V, 347V
- Input frequency 50/60Hz – output frequency 85-105kHz
- THD \leq 10%, PF \geq 0.99, CF \leq 1.7, -Ta = 30°C (86°F), Tc = 65°C (149°F)
- BTU output of fixture
 - 1000W – 4200BTU
 - 600W – 2550BTU

Ballast & fixture separate for remote installation



15' max
* lamp cords sold separately *

NCCS APP COMPATIBLE



NANOLUX CLOUD CONTROL SYSTEM

Use the NCCS APP to control your grow room from anywhere in the world with your Smart Phone or Tablet. The first of its kind; the NCCS is an “all-in-one” application that will continually expand to satisfy your growroom needs. The phone APP is far more versatile and extensive compared to the original PC software release. The new APP will have the same lighting features plus several new controls including: room temperature, humidity, and CO2 –all integrated into the NCCS THC controller and soon with our pH/EC doser. Just like the with the lighting controls, the THC and pH controller will be wireless, and adjustable from the APP. With the APP you can set the perfect growing parameters and have the peace of mind knowing it's all automated. No longer do you have to constantly walk through the grow room and take readings from several different controllers. Simply open your phone APP to monitor or adjust settings depending on your plants' needs. This means less time wasted in the growroom and therefore less of a chance of disrupting the controlled environment, or introducing outside pathogens. This system will continue to expand as we introduce new controllers and monitors. Our next launch will include remote connectivity to Nanolux security cameras, environmental controllers, and dosing controllers in the Spring of 2017. We look forward to bringing you the newest, and most reliable environmental controllers on the market.

