

The Nanolux DE Chill is the first DE commercial overlap fixture of its type on the market. The DE Chill is designed with an onboard ballast, is air cooled, and comes NCCS APP-ready. The air-cooled design removes up to 60% of heat load in grow facility environments. This greatly reduces the air conditioning required to maintain the growing environment at desired temperatures. The fully enclosed design uses an optical quality glass lens which only reduces light output by 6%. This 6% reduction is easily offset by the ability to lower your lights closer to your plants and therefore raising light intensities far above 20%. If left at the same height, one would only require 104 lights in a facility which would regularly require 100 open-style DE lights. The 4000W required to run the 4 additional lights and the small wattage draw for exhaust fans is minor compared to the savings from lower electrical consumption required to AC the growroom.



- 6 Dimming Settings 600 - 1200W Overdrive
- Powder Coated Steel Construction
- Fully Gasketed Lamp Change Door
- Replaceable 105khz 120/240v Ballast
- 3 Year Warranty
- Low Light Loss Tempered Glass
- Airtight Soldered Joint Construction
- Uses any 2100umol DE HPS Lamp. Will also fire any DE MH lamp

Electrical Specifications:

Model	Power (W)	Input Voltage(V)	Input Current(A)	Bulb	Dimming Settings	Power Factor	THDI	CF	Weight (lbs)	Size(inch)	Rated Input Frequency (Hz)
DECHILL-A	1000	120-240	10.3-5.1	DE	1200W/1000W/825W/ 750W/660W/600W	≥0.99	≤10%	≤1.7	23.1	23.2x13.4x9.9	50/60
	600	120-240	5.5-2.5	DE	660W/600W/450W/300W	≥0.99	≤10%	≤1.7	20.3	23.2x13.4x9.9	50/60

BTU Output:

- 2,100 BTU Max Heat Output at 1000W setting
 - Above BTU rating is with correct fan airflow at 700CFM min

DE-CHILL 1000W
 INPUT: AC120V / 240V I_{max}=10A
 PF≥0.99 THD≤10% 50/60Hz
 Ta: 86° F(30°C) Tc: 149°F(65°C)
 LAMP: Double Ended HPS/MH 1000W

CONFORMS TO UL STD.1596
 CERTIFIED TO CSA STD. C22.2 NO.250.0

PATENT NUMBER : 201630217772

Designed by NANOLUX in California
 Made in China

How to remove ballast:

- 1, Remove the 10 screws from the top of the fixture.
- 2, Lift the top cover upwards and unplug the 3 cables from the ballast.

NCCS APP WIRELESS COMPATIBLE



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.

