



# THE ENVIRONMENTALLY INTELLIGENT GROW LIGHTING SYSTEM

Distributed and Serviced by:



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## DIMLUX GIVES YOU TOTAL CONTROL OF YOUR GROW

Beyond the superior technology of DimLux fixtures and accessories and the VPD ethos **when you choose DimLux you choose to take total control of your grow room.**

ONLY lighting system that encompasses all environmental factors for maximum plant performance : Light, Temperature, Humidity, VPD, Air Flow and CO2

ONLY lighting system to incorporate the highest light output with maximum photosynthesis by focusing on the most important part of the plant – leaf stomata.

Competing HID lights are manufactured as supplemental greenhouse lights - DimLux is designed specifically as the primary light for indoor cultivation.



Humidity Sensor



+

Plant Temp Camera



- Infrared heat detecting plant camera
- Measures plant Leaf Surface Temperature
- Facilitates ultra-precise environmental control

+

Temperature Sensor



= TOTAL **VPD** CONTROL

Maxi Controller



Aux Box



Connect a Humidifier or Dehumidifier controlled by RH readings

CO2 Sensor

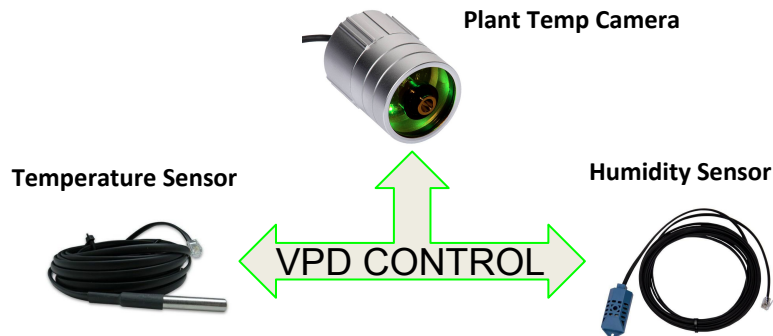


Most sensitive CO2 Sensor precise to 5ppm

DimLux technology is the **ONLY** lighting system that incorporates Vapor Pressure Deficit (VPD) to achieve optimal balance of light/temperature/humidity/CO2 and airflow in the grow room.

VPD control enables:

- Decrease of mold, rot, mildew and pathogens
- Increase or decrease of plant metabolic rate
- Determination of plant stress
- Efficient Carbon Dioxide absorption
- Improvement in yield quality



Management of VPD is critical to achieve optimal transpiration. This impacts yield quality, overall plant vigor, and nutrient utilization. It also allows for more efficient feeding of nutrients and CO2, which help reduce operating costs.

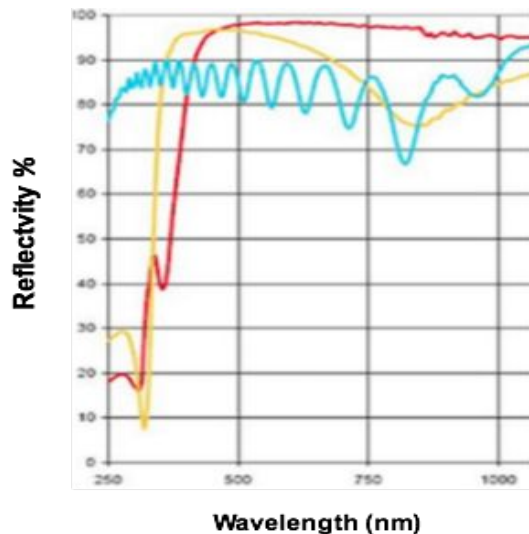
## MAXI-CONTROLLER WITH DATALOGGER



- ❖ Connect up to 160 fixtures
- ❖ Simulation of Sunrise to Sunset
- ❖ Timer/relay/reducers NOT needed
- ❖ Infrared Plant Camera monitors Leaf Surface Temperature
- ❖ Temperature sensor measures ambient air
- ❖ If set parameters exceeded, lighting dims based on temperature or VPD settings
- ❖ Dual-beam CO2 sensor controls CO2 regulator
- ❖ Control a humidifier or dehumidifier
- ❖ Store all recorded values on USB stick updated every minute
- ❖ Export data to a PC for graphed data analysis



- Miro Silver Aluminum with 98% Reflectivity
- Single Bounce Clear Sight (SBCS) principle
- Far less light loss with lower heat output due to Single Bounce
- Greater consistency of reflectance in the red spectrum
- 5 to 15% greater reflectance than textured reflectors



— DimLux Miro Silver  
— Miro  
— Anodised

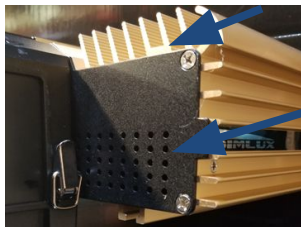
The DimLux Expert Series is the most advanced and complete lighting system on the market.

More Light • Less Heat • Greatest Control



- Smart Ballast with diagnostics
- Soft Start to minimize inrush current
- 7 dimming options
- 20% boost drives the 1000W DE Bulbs to a maximum of 2470  $\mu\text{mol/s}$
- Ultra High Frequency 140 kHz drives lamps to optimal light output
- Smart ballast detects bulb degradation and drives it up to 99%

**Longer Fins with Ridges  
for Greater Heat Dissipation**



**Vented  
Ballast**

**2" Heat Exhaust**



**Vented end for Passive Cooling**







dimluxlighting #Repost @jungleboys

CMH x HPS and some Jungle Cake and Pie  
Hoe #discotech #famalam  
#losangelsfarmers #westackdifferent  
#alwaysimitatedneverduplicated  
#theexotiks #grodan101 #jungleboys  
#vegbloom

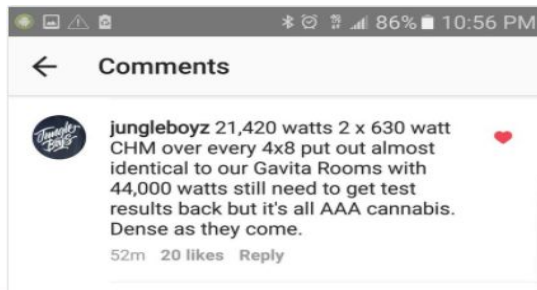
#DimLux #630w #CMH #growlights  
#CeramicMetalHalide #LEC #1000w #HPS  
#hydroponics #growroom #cultivate  
#growops #mmj #hightimes #thc #cbd  
#indoorgarden #dank #cannabiscommunity  
#thejungleboys



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AUGUST 13

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## 630W CMH



- Full Spectrum light output with peaks in the blues and concentrated in the reds that match the plant's chlorophyll receptors
- Highest Gram/Watt in the industry
- Sufficient levels of UV-A and UV-B, which stress the plants just enough to promote thicker stalk growth (enabling greater nutrient delivery)
- UV-A and UV-B help eliminate mold, mildew and fungus
- Both the Full Spectrum and UV output help increase resin production

### Specifications

630W Ceramic Metal Halide  
 2x315W Full Spectrum 3K Agro DimLux lamp  
 Dimming Steps: Soft –Off, 330W, 410W, 490W, 560W, 630W, 690W, 760W (boost)  
 System PPF at 760W = 1544 umol  
 System PPF at 630W = 1176 umol  
 Lighting Surface at 630W = 21sq. Feet  
 Lighting Surface at 760W = 25sq. Feet  
 Passive Air Exhaust = 2"  
 Measurements = 26.5" x 10.8" x 1"  
 Weight: 13.8 lbs.

At 240V

Power Consumption at 630W = 2.7 amp

Power Consumption at 760W = 3.5 amp

At 277V

Power Consumption at 630W = 2.39 amp

Power Consumption at 760W = 2.89 amp

## 1000W DE HPS



- Greatest umol output of any fixture in the industry
- 2470 umol at 1200W “boost”
- Philips Master Greenpower 400V DE bulb included
- 140 kHz Ultra High Frequency Ballast drives lamps at 99% efficiency up to 18-24 months lifespan
- 6.5' x 6.5' light throw at 1200W “boost”

### Specifications

1000W Double Ended High Pressure Sodium  
 Dimming Steps: Soft –Off, 600W, 700W, 800W, 900W, 1000W, 1150W, 1200W (boost)  
 System PPF at 1200W = 2470 mol  
 System PPF at 1000W=2058 mol  
 Lighting Surface at 1000W = 35sq. feet  
 Lighting Surface at 1200W = 43sq. feet  
 Passive Air Exhaust =2”  
 Measurements=26.5”x10.8”x1”  
 Weight: 13.8 lbs

### At 240V

Power Consumption at 1000W = 4.5 amp  
 Power Consumption at 1200W= 5.2 amp

### At 277V

Power Consumption at 1000W = 3.61 amp  
 Power Consumption at 1200W = 4.33 amp

## 315W CMH



- Perfect for the vegetation phase of plants
- 772 umol at 380W “boost”
- DimLux 3100K bulb for flowering or 4100K for the veg phase ➤ 140 kHz Ultra High Frequency Ballast drives lamps to 99% efficiency up to 24 months lifespan
- Now in 120V for standard electrical outlets for the hobbyist

### Specifications

315W Full Spectrum with DimLux 3K CMH Lamp

Dimming Steps: Soft –Off, 165W, 205W, 245W, 280W, 315W, 345W, 380W (boost)

System PPF at 315W = 640 umol

System PPF at 380W = 772 umol

Lighting Surface at 315W = 10.76 sq. feet

Lighting Surface at 380W = 12.90 sq. feet

Passive Air Exhaust =2”

Measurements=20.8”x10.8”x1”

Weight: 10.80 lbs

At 120V

Power Consumption at 315W = 2.62 amp

Power Consumption at 380W = 3.16 amp

At 240V

Power Consumption at 315W = 1.4 amp

Power Consumption at 380W= 1.7 amp

At 277V

Power Consumption at 315W = 1.13 amp

Power Consumption at 380W = 1.37 amp

## CO2 SENSOR



- Ensures precise CO2 dosing at the correct ppm
- Provides accurate information on CO2 concentration
- Built-in light cell for automatic on/off functionality during lights off
- Dual-beam nondispersive infrared (NDIR) sensor
- Powers a separate CO2 Regulator
- For use with the DimLux Maxi Controller
- Resolution: 5ppm
- 5 meter cable