

## Master Pursuit 500W CMH All-In-One Fixture 120-277V.

SKU: GC500MPCMH1

*MSRP: \$420*

A new milestone in CMH technology the Master Pursuit 500w CMH all-in-one fixture utilizes Grower's Choice innovative new 500w CMH lamp providing an average of 1000 umol/s (+/- 30 depending on k rating) of useable photon flux, a 65% increase of light energy output with higher efficiency compared to traditional 315w lamps. This lamp/fixture combo is also a more economical alternative to more expensive 630w CMH fixtures that use two lamps and ballasts, with the new Grower's Choice 500w lamp high efficiency producing nearly the same output as two 315w CMH lamps used in 630w CMH fixtures. Additionally, newly designed components and safety features assure a high-quality product and next generation manufacturing technology has increased performance, efficiency and overall reliability for a lighting system you can count on.

### **Technical Specifications:**

Rated Main Voltage: ..... 120V 208V 240V 277V  
Input Current: ..... 4.7A 2.7A 2.4A 2.1A  
Input Frequency: ..... 50/60 Hz  
Power Factor: ..... >0.98  
THD: ..... <10%  
Required Lamp Voltage: ..... 110V ~ 140V  
Illumination Surface: ..... 4 X 4'

### **Additional Features:**

**Dimmable Option**-allow lamps of various wattages to be operated in the same unit simply by adjusting the dial on the ballast. Each lamp will be operated to the exact specification that the lamp requires.

**Smart Step Technology**-can reduce the output of a lamp when not so much power is needed. Just turn the dial again to step back to full power.

**Super Lumen**-will increase the output of the ballasts highest wattage lamp to achieve max. lamp performance. Increase is approximately 10% depending on model.

**Smart Start Ignition Control**-When multiple units are connected to the same mains circuit, our integrated Ignition Control software will completely balance the electrical draw by igniting one lamp at

a time to prevent electrical surges and spikes that can overload the mains circuit and trip circuit breaking systems.

**Soft Start Technology**-prolongs lamp life by stopping current rush to the lamp and preventing lamp overload. When the ballast is started from cold there will be a 3 second fixed delay before ignition. After ignition there will be a series of random 0-2 second delays before full brightness is reached after approximately 3-5 minutes.

**Re-Strike of Hot Lamp after Mains Failure**-uses a timed re-strike system that prevents the ballast from re-striking a hot lamp after a power failure. If a hot lamp is detected, the re-strike will be delayed for 60 second intervals until the lamp has cooled sufficiently to be re-ignited.

**Automatic Frequency Adjustment**-The GC Series Digital Ballast automatically adjusts its output frequency to maintain a constant output regardless of input power fluctuations and ageing lamps. This also prevents "lamp flicker".

**Full Circuit Protection**-a sophisticated software-controlled circuit braking system that is not seen in other manufacturer's ballasts. The system protects against a series of faults including: Open Circuit Protection, Short Circuit Protection, Over Voltage Protection, Under Voltage Protection and Over Temperature Protection. On Ignition the ballast performs a 3 second test of the circuit and in the event of a fault the ballast will go into protection mode to avoid damage to the ballast and lamp.

**Running Temperature**-This unique case design acts as a superior heat sink making the ballast extremely cool running without the need for internal fans.

**RF Shielding**-with Total Harmonic Distortion (THD) of less than 10% meaning it will not interfere with television or radio equipment.

**Silent Operation**-The GC Series Digital Ballast has no noisy internal fans and is completely silent in operation.

**High Energy Efficiency**-GC Series Digital Ballast is up to 30% more efficient than standard magnetic ballast producing more lumens of light per watt of consumed energy. Efficiency does not diminish and is maintained for the entire life of the unit.

**Master Pursuit 500W comes with a 120V plug by default, 240V & 277V plugs are available upon request.**

**We recommend adding a drop down for customers to decide.**

**(Plug options : 120V, 240V, 277V)**