



Ming Feng Lighting Co.,Ltd  
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 Add: Wen Tang Administration, East City,Dongguan,Guangdong Province,China.

## MF-GP06 Spec

FEATURES	
Light Source:	<b>CREE CXA2530 COB+ Bridgelux</b> surround 5W leds
Spectrum:	<b>Full-spectrum + near infrared + Ultra Violet</b>
Driver:	Taiwan <b>Meanwell LED Drivers</b> , Wide AC100-265V, PF>0.95
Waterproof Grade:	<b>IP44</b>
Optics:	90 degree optical lens direct light downward to magnify par and increase canopy penetration up to 200%.
Lamp Control:	<b>2 ON/OFF switches,CH1-COB Veg &amp; Bloom light, CH2- Bloom Enhancer light</b>
Warranty:	Design lifespan > 50,000Hrs, <b>5 years warranty</b> available.
Recommended hanging height:	Veg: 24"-36", Flower: 24"-28"
Coverage:	:Flower @ 24": 4' x 4' Veg @ 24": 5' x 4'
Yield:	<b>Up to 2.0 pounds per light/Up to 1.5 Grams per watt</b>
Environment:	Operation Temperature: -10°C~45°C Storage Temp.: 0°C~40°C
Certificated:	<b>CE, TUV, RoHS,CB,SA, FCC, ETL</b>



## BENEFITS

Using the latest lighting technology including the USA made CREE COB and Bridgelux 5W leds which are both specifically designed for horticultural lighting.

- Unique secondary Magnifies PAR Lens---much better PAR value and intensity
- 6 channels gardening timing system---built-in timer, 10/12/14/16/18/24 hours for selection

Recommended for:

- \* Grow tents (4x4) (5x5)
- \* Grow rooms all sizes
- \* Full-cycle growing from seedling to flower
- \* Soil, hydroponic, aeroponic, or aquaponic systems

SPECIFICATIONS		
Product	Model NO:	MF-GP06
	Power :	620W
	Dimension:	554*376*70mm
	Packing:	672*454*160mm/2pcs/carton
	Weight:	N.W: 9.58KG, G.W: 12.5KG
Driver	Input:	AC100-265Vac, 50-60Hz
	PF:	>0.95
	Brand:	Meanwell
LEDS	Spectrum	Full Spectrum+UV+IR
	Brand:	CREE+ BRIDGELUX
	Details:	6PCS x 60-watt CREE CXA 2530 COB LEDs running CREE COB LEDs are 3000k Warm White & 5000k Cool White 96 x 5-watt Supplemental LEDs (UV/IR) Red diodes: 5w dual core Epistar Blue and White diodes: 5w dual core Bridgelux
Heat management	PCB:	Metal PCB(Aluminum)2.0mm
	Heat conduction:	2.0w/m.k
Environment	Storage Temp.:	0°C~40°C
	Operation Temp.:	-10°C~45°C
Lamp Control	2 ON/OFF switches,CH1-COB Veg & Bloom light, CH2-Bloom Enhancer light	
Beam Angle	60° Dual core Bridgelux/ 90° for CREE COB 90° secondary lens	

## Light Distribution Curve

Full Spectrum

CH1: COB-ON

CH2: Surround LEDs-ON

CH1&CH2 Full Power ON

Original Spectrum

In 1972, McCree defined his "action spectrum" which is commonly used as a reference spectrum for photosynthesis.

Pioneer LED's Spectrum perfectly not only match the McCREE'S ACTION SPECTRUM, but also enhance Blue peaks and Red 630nm & 660nm peaks, this spectrum has been proved to be the best spectrum for a grow light.

Necessary instrument: Lighting Research Spectrometer (Spectrum Genius agricultural Lighting (S&L))

## PPFD (μ·mol/m<sup>2</sup>·s)

@12"

@24"

@36"