



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

MF-GP02 Spec

FEATURES	
Light Source:	CREE CXA2530 COB+ Bridgelux surround 5W leds
Spectrum:	Full-spectrum + near infrared + Ultra Violet
Driver:	Taiwan Meanwell LED Drivers , Wide AC100-265V, PF>0.95
Waterproof Grade:	IP44
Optics:	90 degree optical lens direct light downward to magnify par and increase canopy penetration up to 200%.
Lamp Control:	2 ON/OFF switches,CH1-COB Veg & Bloom light, CH2- Bloom Enhancer light
Warranty:	Design lifespan > 50,000Hrs, 5 years warranty available.
Recommended hanging height:	Veg: 24", Flower: 18"-24"
Coverage:	Flower @ 18"-24": 2' x 3', Veg @ 24": 3' x 4'
Yield:	Up to 0.68 pounds per light/Up to 1.5 Grams per watt
Environment:	Operation Temperature: -10°C~45°C Storage Temp.: 0°C~40°C
Certificated:	CE, TUV, RoHS,CB,SA, FCC, ETL



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) (3x3) (2x2)	
* Grow rooms all sizes	
* Full-cycle growing from seedling to flower	
* Soil, hydroponic, aeroponic, or aquaponic systems	

SPECIFICATIONS		
Product	Model NO:	MF-GP02
	Power :	205W
	Dimension:	198*376*70mm
	Packing:	455*316*160mm/2pcs/carton
	Weight:	N.W: 3.58KG, G.W: 4.6KG
Driver	Input:	AC100-265Vac, 50-60Hz
	PF:	>0.95
	Brand:	Meanwell
LEDS	Spectrum	Full Spectrum+UV+IR
	Brand:	CREE+ BRIDGELUX
	Details:	2PCS x 60-watt CREE CXA 2530 COB LEDs running CREE COB LEDs are 3000k Warm White & 5000k Cool White 32 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	
Optics	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	
	<p>In 1972, McCree defined his "action spectrum" which is commonly used as a reference spectrum for photosynthesis.</p> <p>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.</p> <p>Lighting Instrument Lighting Passport Spectrometer Spectrum Genus Agricultural Lighting (SGL)</p>		
PPFD (μmol/m²·s)			
@12"	@24"	@36"	