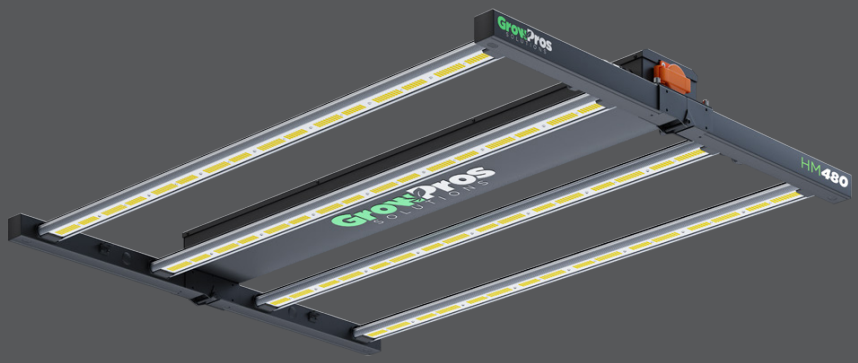
GrowPros SOLUTIONS

LED LIGHTING SOLUTION FOR COMMERCIAL INDOOR AND GREENHOUSE APPLICATIONS

HM480® Series



GPS-HM-480

A full-spectrum LED rack lighting solution designed for indoor and greenhouse applications, enabling control over the plant cycle from seed to harvest. Indoor plants grow best under full-spectrum lights, which replicate the natural spectrum of the sun. The HM480 Series, with an increased lifespan over traditional grow light sources, cultivates healthier, happier plants.

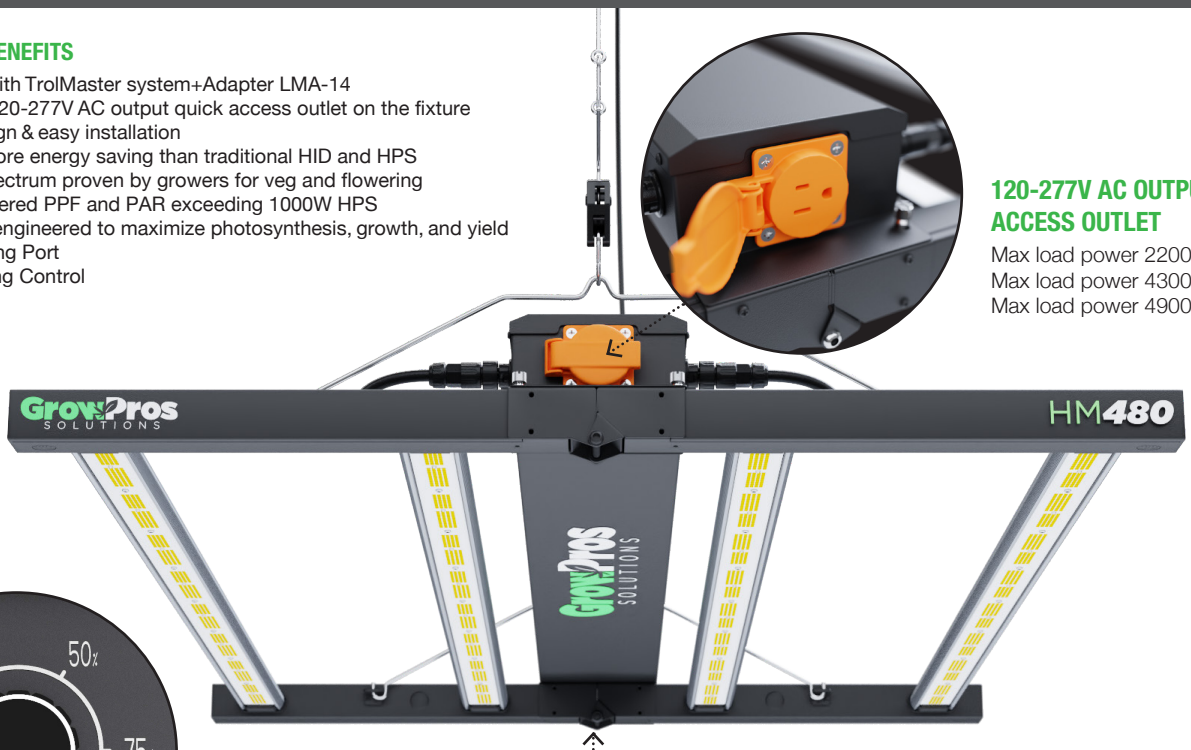
Intertek · FOR DAMP LOCATION · DIMMABLE · 50,000 Life Hours · 7 YEAR Limited Warranty · DLC

INTENDED APPLICATIONS

- Grow Tent
- Indoor Cultivation

FEATURES & BENEFITS

- Compatible with TrolMaster system+Adapter LMA-14
- Comes with 120-277V AC output quick access outlet on the fixture
- Foldable design & easy installation
- Up to 40% more energy saving than traditional HID and HPS
- Optimized spectrum proven by growers for veg and flowering
- Superior delivered PPF and PAR exceeding 1000W HPS
- Scientifically engineered to maximize photosynthesis, growth, and yield
- Power Chaining Port
- 0-10V Dimming Control



120-277V AC OUTPUT QUICK ACCESS OUTLET

Max load power 2200W at 120V
Max load power 4300W at 240V
Max load power 4900W at 277V

DIMMER

The HM480 comes with an integral dimmer that you can adjust seamlessly from 0 to 100 percent.

CONTROL SYSTEM

Works with TrolMaster Hydro control systems. You will need to use a lighting control adapter F(LMA-14)and connect them together. You need to switch each light each light to EXT mode. Switch the dimmer to EXT mode and connect the light to the LMA14 using the included RJ12 cable. Daisy Chain multiple fixtures with the included RJ12 and turn each light to EXT Mode.

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TECHNICAL SPECIFICATIONS

WATTAGE	480W
INPUT VOLTAGE	120V-277V
FREQUENCY	TrolMaster + LMA14
CONTROL	0-10V dimming (0-100%)
DAISY CHAIN PORT	RJ12
THD	20%
THERMAL MANAGEMENT	Passive
WORKING TEMPERATURE	-40°F ~ 122°F
IP RATING	IP44, Suitable for dry & damp locations
WARRANTY	7 year limited
CERTIFICATIONS	ETL, DLC, CE, FCC
LIFETIME	L90 > 54,000 Hours
HEAT LOAD PER FIXTURE	1638 BTU

MAXIMUM POWER ELECTRICAL DATA

	120V	208V	240V	277V
AC CURRENT	4.0A	2.27A	1.96A	1.69A
AC POWER	480W	472W	470W	467W
POWER FACTOR	0.998	0.982	0.969	0.944

12" Height @ Max. Power Setup

4'X4' 3'X3' 2'X2' 1'X1'

102		242		352		302		166
	312			632			446	
223		654		856		794		361
			895	961	966			
293	530	773	913	978	987	908	708	427
			875	930	940			
252		663		818		760		352
	319			569			415	
104		236		286		269		144

WHAT'S IN THE BOX

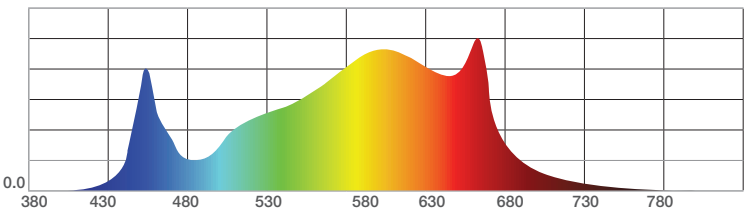
- 1x network cable for daisy chain
- 1x 120-240V plug adapter
- 2x steel wire sling
- 2x 1/8 lifting pulley hoist rope hook
- 4x thumb screw

PERFORMANCE DATA	MAX. POWER @ 12"H
PPF	1300 µmol/s
PPFD	1121 µmol/m2/s
PPE	2.7 µmol/J

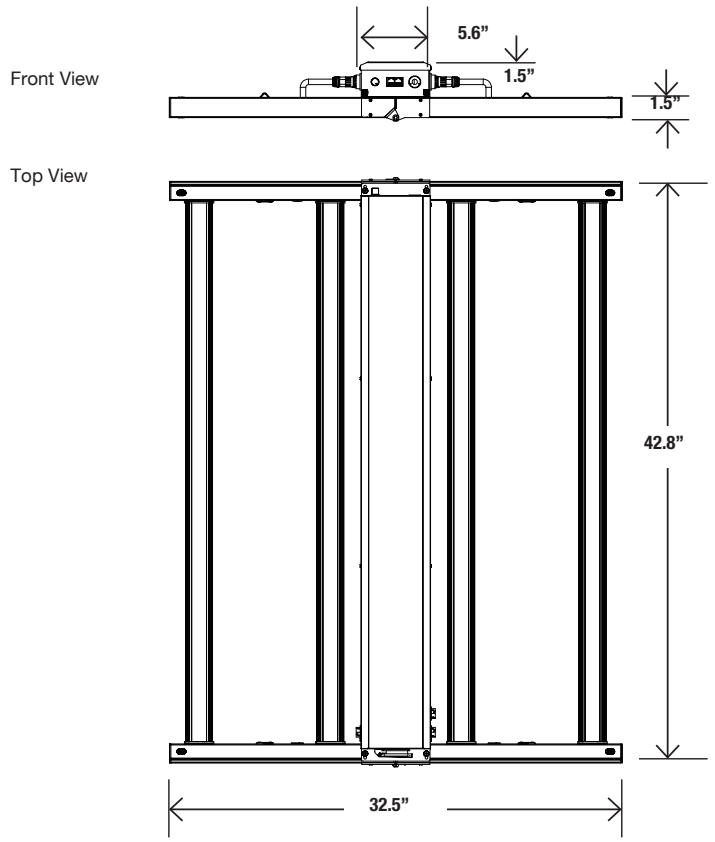
RECOMMENDED SET-UP

Flower: 3' X 4' Area, Max: 4' X 4' Area
Veg: 4' X 4' Area, Max: 5' X 5' Area

SPECTRAL DISTRIBUTION



DIMENSIONS



GROSS WEIGHT: 26 lbs