

Project Name:	Type:
Note:	Date:

LED LIGHTING SOLUTION FOR COMMERCIAL INDOOR AND GREENHOUSE APPLICATIONS

HM660[®] Series



GPS-HM-660

A full-spectrum LED rack lighting solution designed for grow tents, commercial indoor cultivation and greenhouse applications. The HM660 provides the grower with control over their plants in each life cycle. It has an impressive footprint and is extremely efficient for the vegetative stage. The full-spectrum will guarantee impressive yields from the flowering stage. Perfect for a 4x4 or 5x5 grow tent or link multiple HM660s together for larger commercial applications. The HM660 Series has an increased lifespan over traditional grow light sources and cultivates healthier, happier plants.



INTENDED APPLICATIONS

- Grow Tent
- Indoor Cultivation

FEATURES & BENEFITS

- Compatible with TroiMaster system+Adapter LMA-14
- Add one extension bar to each side to cover 3' x 6' or 4' x 6' flood tray
- Total of 3500 pcs LED diodes per the fixture including deep red led 600NM HM diode
- Comes with 120-277V AC output quick access outlet on the fixture
- Foldable design, easy installation
- Up to 30% 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 RJ12 Dimming Control



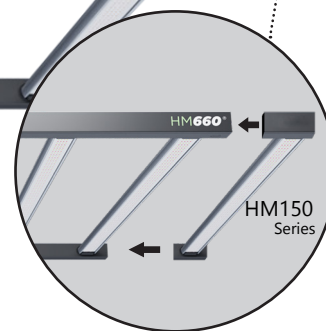
120-277V AC OUTPUT QUICK ACCESS OUTLET

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



DIMMER

The HM660 comes with a fully integral dimmer that you can adjust seamlessly from 0-100, and 110 percent for an extra boost of power.



EXTENDABLE BARS

The HM660 has removable end caps in order to attach additional bars to each end. Each extended bar has a 150W individual driver and the PPF is 344 umol/s. It is ideal for hanging on top of a 3' x 6' or 4' x 6' grow tray.

CONTROL SYSTEM

Works with TroiMaster 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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SPECIFICATIONS

WATTAGE	660W (Boost up to 720W)
INPUT VOLTAGE	Auto Sensing 100V-277V
CONTROLLER	TrolMaster Hydro-X + LMA14
CONTROL	0-10V dimming (0-100%)
DAISY CHAIN PORT	RJ12
MOUNTING HEIGHT	36 Inch above canopy
POWER FACTOR	>95%
THERMAL MANAGEMENT	Passive
WORKING TEMPERATURE	-40°F ~ 122°F
IP RATING	Suitable for dry & wet locations
LIFETIME	L90 > 54,000 Hrs
WARRANTY	7 year limited
CERTIFICATIONS	ETL, DLC, CE, FCC
HEAT LOAD PER FIXTURE	2320 BTU

MAXIMUM POWER ELECTRICAL DATA

	120V	208V	240V	277V
AC CURRENT	5.96A	3.50A	2.95A	2.71A
AC POWER	713W	700W	695W	685W
POWER FACTOR	0.998	0.983	0.975	0.945

PPFD READING

12" Height @ Max. Power Setup

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

480		530		720		530		480
	1129			1053			721	
530		1030		1170		1030		530
			1140	1240	1140			
750	1000	1408	1168	1275	1168	1408	1000	750
			1125	1150	1125			
530		1028		1170		1025		530
	1146			1053			801	
480		530		720		530		480

PERFORMANCE DATA

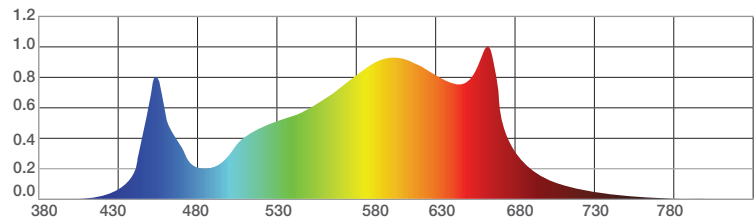
	MAX. POWER @ 12"H
PPF	1820 μmol/s
PPFD	1285 μmol/m ² /s
PPE	2.7 μmol/J

RECOMMENDED SET-UP

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

Veg: 4' X 4' Area, Max: 6' X 6' Area

SPECTRAL DISTRIBUTION



GROSS WEIGHT: 30 lbs

WHAT'S IN THE BOX

- 1x Daisy chain data cable RJ12
- 1x 240-120V plug adapter
 - 2x steel wire sling
- 2x 1/8 Rope Ratchets
 - 4x thumb screws

DIMENSIONS

