

Project Name:	Type:
Note:	Date:

LED LIGHTING SOLUTION FOR COMMERCIAL INDOOR AND GREENHOUSE APPLICATIONS

HM240[®] Series



GPS-HM-240-UNI

Operating at only 240W, the Grow Pros HM240 Series is an LED rack lighting solution designed for commercial indoor and greenhouse applications, enabling control over the plant cycle, specifically optimized for the vegetative stage. The HM240 Series, a 2x4 rack light solution, with an increased lifespan over traditional grow light sources, cultivates healthier, happier plants.

INTENDED APPLICATIONS

- Hydroponic cannabis growing
- Indoor greenhouse



FEATURES & BENEFITS

- Compatible with TrolMaster system+Adapter LMA-14
- Comes with 120-277V AC output quick access outlet on the fixture
- Simple plug-and-play; easy to install
- Foldable design, easy to store, ship, and handle
- Up to 40% more power compared to 315W CMH.
- Optimized spectrum proven by growers for veg and flowering
- Superior delivered PPF and PAR exceeding 1000W HPS
- Engineered to maximize photosynthesis and healthy growth

120-277V AC OUTPUT QUICK ACCESS OUTLET

Max load power 1800W at 120V
 Max load power 3750W at 240V
 Max load power 4155W at 277V



DIMMER

The HM480 comes with an integral dimmer that you can adjust to 25, 50, 75, and 100 percent.

CONTROL SYSTEM

Works with TrolMaster Hydro control systems. You will need to use a lighting control adapter F(LMA-14). When you put the dimmer in EXT mode, it is ready to connect to the control system (If you daisy chain these lights and use a control system to control them together, you need to switch it to EXT mode).

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TECHNICAL SPECIFICATIONS

WATTAGE	240W
INPUT POWER	120V-277V
FREQUENCY	50/60Hz
CONTROL	0-10V dimming (0-100%)
POWER FACTOR	0.9
THD	20%
THERMAL MANAGEMENT	Passive
WORKING TEMPERATURE	-40°F ~ 122°F
IP RATING	IP44, Suitable for dry & damp locations
WARRANTY	7 year limited

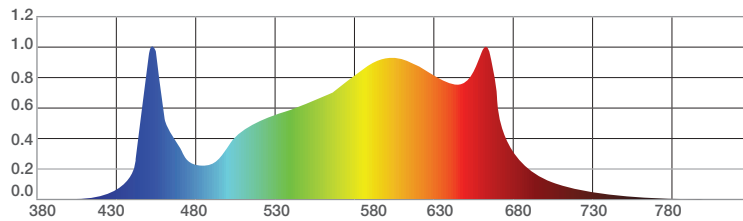
HEAT LOAD

HEAT LOAD PER FIXTURE	2148 BTU
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MAXIMUM POWER ELECTRICAL DATA

AC VOLTAGE	120V	208V	240V	277V
AC CURRENT	2.0A	1.15A	1.0A	0.86A
AC POWER	240W	240W	240W	240W

SPECTRAL DISTRIBUTION



PPFD READING

24" Height @ Max. Power Set-up									
	24"	18"	12"	6"	0	6"	12"	18"	24"
24"	38.8	49.7	58	64.8	72.8	59.3	60.3	49.9	37.6
18"	74.9	118.1	130.5	137.5	145.2	140.9	138.9	108.4	82.4
12"	162	268.4	297.5	305.1	291.4	291.6	297.3	247.3	112.6
6"	290.9	435.9	533.7	510.4	493.5	501.8	500.6	426.6	293.1
0	330.9	499.9	581.9	593.5	575.5	578.2	565.2	503.6	330.3
6"	286.1	407.3	489.4	510	492	495	479.3	446.8	297.9
12"	161.2	241.2	282.8	290.3	284.5	293.7	278.7	296.5	171.7
18"	75.3	106.3	125.7	133.5	138.3	136.2	133.2	118.7	83.2
24"	34.2	45	52.8	56.9	81.9	60.7	55.6	49.6	38.5

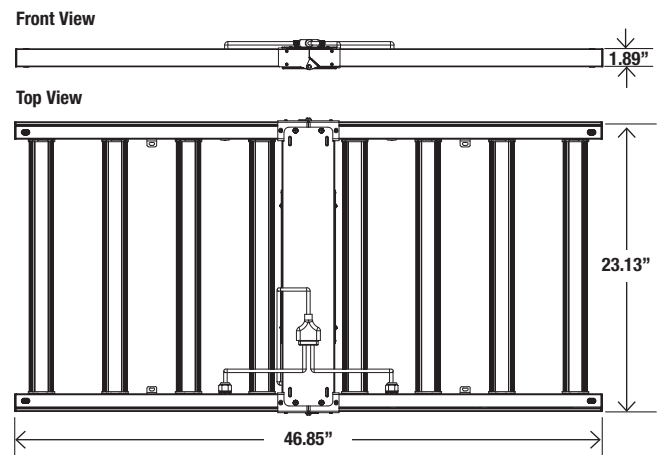
PERFORMANCE DATA

	MAX. POWER @ 12"H
PPF	624 μmol/s
PPE	2.6 μmol/J

RECOMMENDED SET-UP

Mount the fixture at least 10" and no more than 36" from top of canopy for optimal performance.

DIMENSIONS



GROSS WEIGHT: 20.94 lbs

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