

COMMERCIAL SOLUTIONS DESIGNED SPECIFICALLY FOR INDOOR CANNABIS CULTIVATION

HM240[®] Series



GPS-HM-240

A full-spectrum LED rack lighting solution designed for grow tent, indoor and green house applications. HM240 is a high efficient fixture saves up to 50% electricity. The 8 LED bars are evenly spaced over a 4' width allowing the HM240 to bloom a 2'x4' canopy.



FOR
DAMP
LOCATION

DIMMABLE

50,000
Life Hours

7
YEAR
Limited
Warranty

INTENDED APPLICATIONS

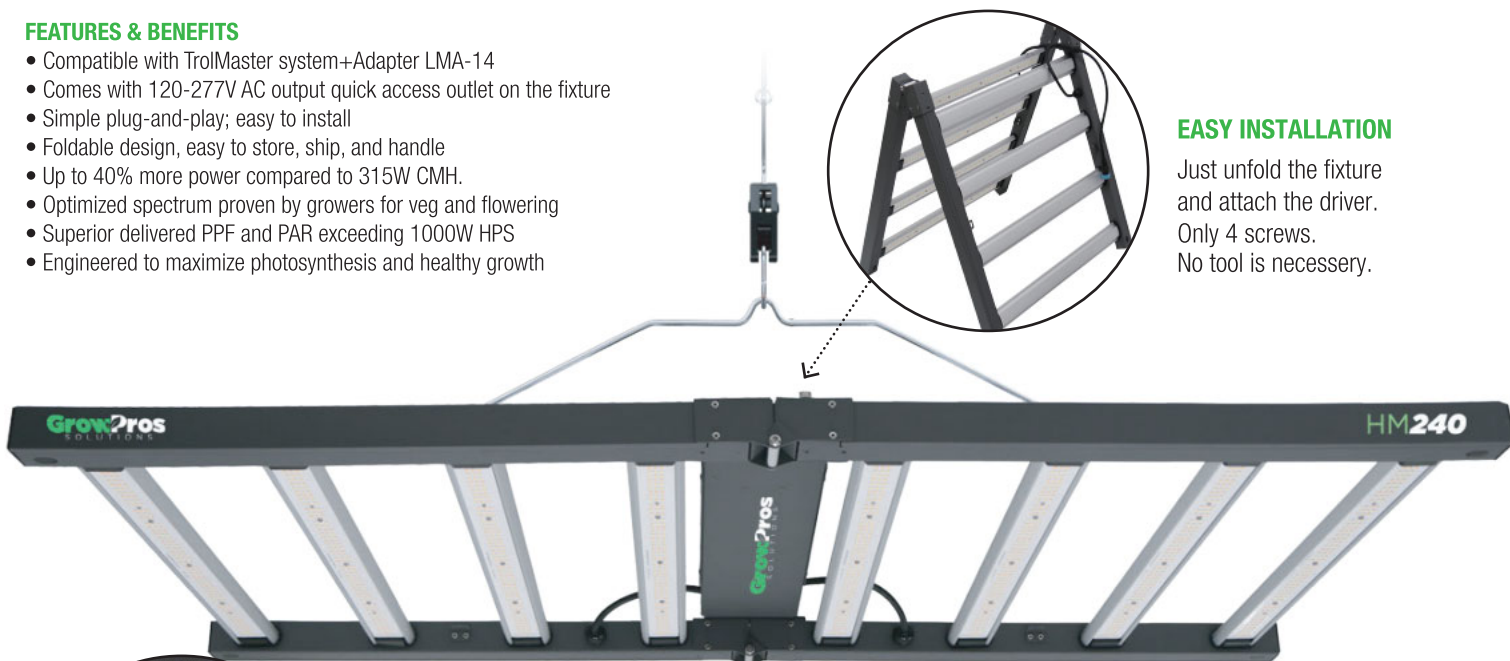
- Grow Tent
- Indoor Cultivation

FEATURES & BENEFITS

- Compatible with TrolMaster system+Adapter LMA-14
- Comes with 120-277V AC output quick access outlet on the fixture
- 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

EASY INSTALLATION

Just unfold the fixture and attach the driver. Only 4 screws. No tool is necessary.



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 VOLTAGE	120V-277V
CONTROLLER	TrolMaster Hydro-X + LMA14
CONTROL	0-10V dimming (0-100%)
DAISY CHAIN PORT	RJ12
THD	20%
THERMAL MANAGEMENT	Passive
WORKING TEMPERATURE	-40°F ~ 122°F
IP RATING	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

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

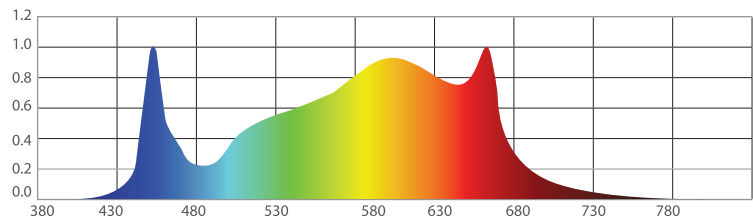
MAX. POWER @ 12"H	
PPF	624 $\mu\text{mol/s}$
PPE	2.6 $\mu\text{mol/J}$

RECOMMENDED SET-UP

Flower: 2' X 4' Area

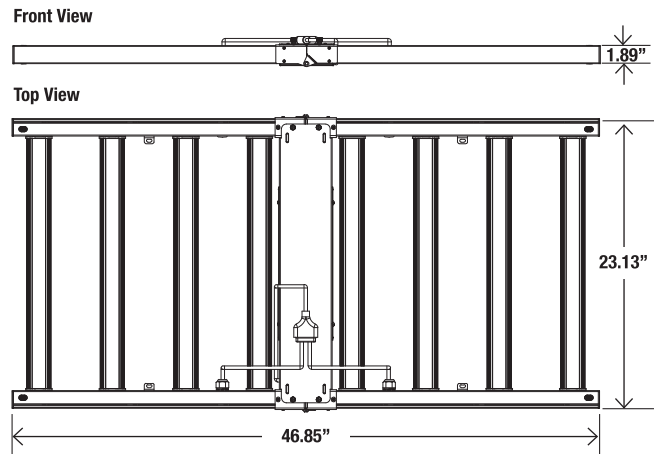
Veg: 3' X 5' Area, Max: 4' X 6' Area

SPECTRAL DISTRIBUTION



GROSS WEIGHT: 23 lbs

DIMENSIONS



GROSS WEIGHT: 20.94 lbs