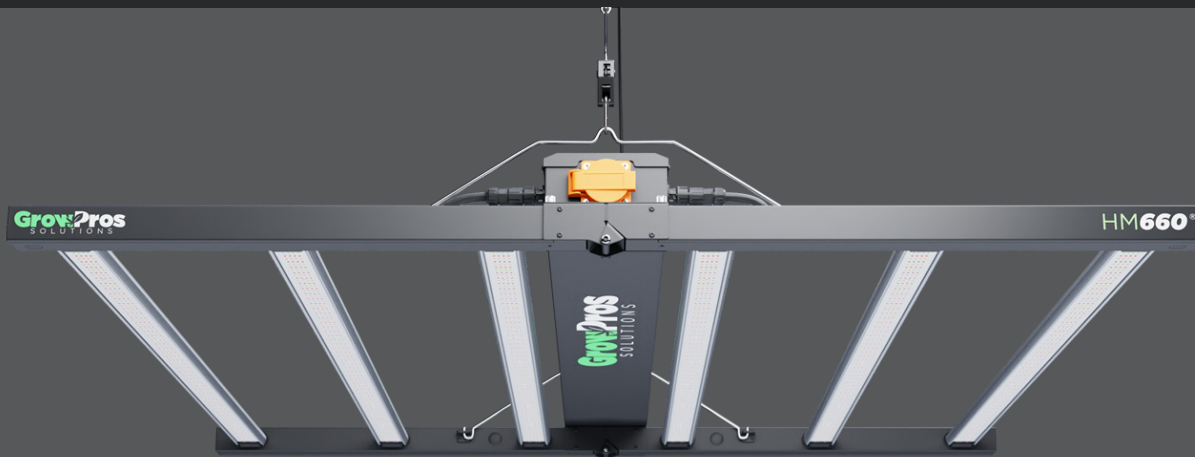


LED LIGHTING SOLUTION FOR COMMERCIAL INDOOR AND GREENHOUSE APPLICATIONS

HM660[®] Series



FEATURES & BENEFITS

- Foldable design, easy installation
- Optimized spectrum proven by growers for veg and flowering
- Scientifically engineered to maximize photosynthesis, growth, and yield
- Superior delivered PPF and PAR exceeding 1000W HPS
- Up to 50% more energy saving than traditional HID and HPS
- Optional extension bars for an extended grow area

INTENDED APPLICATIONS

- Hydroponic cannabis growing
- Indoor greenhouse

STANDARD POWER ELECTRICAL DATA

AC VOLTAGE	120V	208V	240V	277V
AC CURRENT	5.47A	3.24A	2.95A	2.53A
AC POWER	660W	660W	660W	660W
POWER FACTOR	0.998	0.98	0.97	0.938

BOOST MAX. POWER ELECTRICAL DATA

AC VOLTAGE	120V	208V	240V	277V
AC CURRENT	5.96A	3.50A	2.95A	2.71A
AC POWER	720W	717W	713W	710W
POWER FACTOR	0.998	0.983	0.975	0.945



ORDERING SAMPLE: GPS-HM-660-UNI-36R

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Family	Series	Rated Wattage	Input Voltage	Spectrum	Control
GPS	HM (HM Series)	660 (660W)	UNI (120-277V)	36R (Hydro Cannabis)	10D (0-10V Dim)

*Built-in Dimmer Switch 0-110% Dim to OFF; Boost to 110%

LED LIGHTING SOLUTION FOR COMMERCIAL INDOOR AND GREENHOUSE APPLICATIONS



A full-spectrum LED rack lighting solution designed for commercial indoor and greenhouse applications, enabling control over the plant cycle from the vegetative stage to the flowering stage. Indoor plants grow best under full-spectrum lights, which replicate the natural spectrum of the sun. The HM660 Series, with an increased lifespan over traditional grow light sources, cultivates healthier, happier plants.

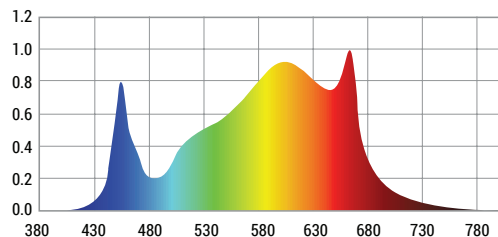
TECHNICAL SPECIFICATIONS

WATTAGE	660W (Boost up to 720W)
INPUT POWER	120V-277V
FREQUENCY	50/60Hz
CONTROL	0-10V dimming (0-100%)
POWER FREQUENCY	50/60 Hz
POWER FACTOR	0.9
THD	20%
THERMAL MANAGEMENT	Passive
WORKING TEMPERATURE	-40°F ~ 122°F
IP RATING	IP44, Suitable for dry & damp locations
WARRANTY	5 year limited

HEAT LOAD

HEAT LOAD PER FIXTURE	2148 BTU
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SPECTRAL DISTRIBUTION



PPFD READING

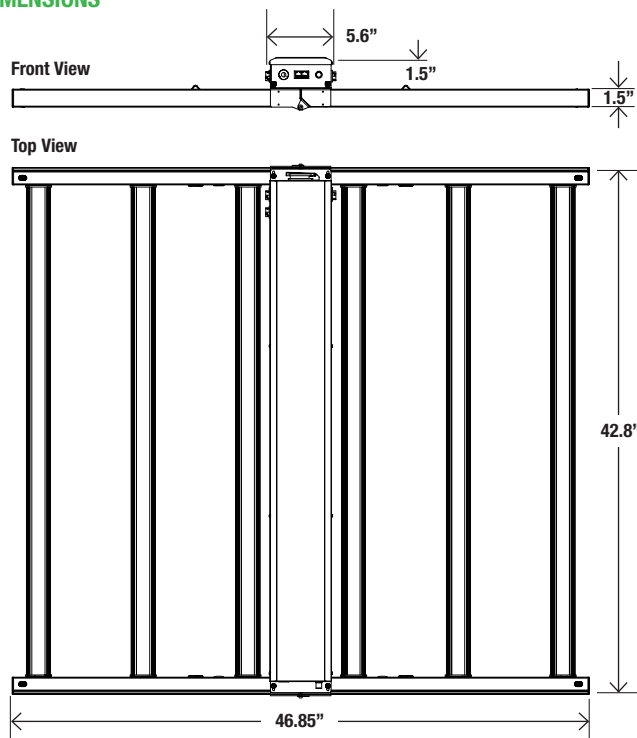
12" Height @ 100% (660W)									
24"	250				690				228
18"		661			989			630	
12"			1020		1128		982		
6"				1163	1185	1148			
0"	422	777	1076	1178	1188	1165	1053	725	399
6"				1163	1185	1148			
12"			1020		1128		982		
18"		661			989			630	
24"	250				690				228
	24"	18"	12"	6"	0"	6"	12"	18"	24"

12" Height @ 110% (720W)									
24"	341				837				334
18"		663			1053			655	
12"			1027		1170		1003		
6"				1218	1250	1207			
0"	462	781	1085	1231	1275	1220	1074	773	451
6"				1208	1241	1198			
12"			1025		1161		995		
18"		657			1041			674	
24"	330				822				325
	24"	18"	12"	6"	0"	6"	12"	18"	24"

PERFORMANCE DATA

	660W (100%) @ 12"H	720W (110%) @ 12"H
PPF	1716 $\mu\text{mol/s}$	1820 $\mu\text{mol/s}$
PPFD	1188 $\mu\text{mol/m}^2/\text{s}$	1275 $\mu\text{mol/m}^2/\text{s}$
PPE	2.6 $\mu\text{mol/J}$	2.6 $\mu\text{mol/J}$

DIMENSIONS



GROSS WEIGHT: 30 lbs

RECOMMENDED SET-UP

MULTI-LAYER	4' - 5' wide benches, 4" - 6" from canopy
INDOOR	5' X 5' vegetable, 4' X 4' flower

WHAT'S IN THE BOX

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