

## COMMERCIAL SOLUTIONS DESIGNED SPECIFICALLY FOR INDOOR CANNABIS CULTIVATION

### HM960<sup>®</sup> Series

### DESIGN FOR LARGE SCALE COMMERCIAL GROW HOUSE



### GPS-HM-960

The HM960 was designed with commercial gardens in mind but this enormous light can also be a monster producer for the home grower. The 8x LED Bars are evenly spaced over a 5' width allowing the HM960 to bloom a 4.5x6' canopy. When combined with the HM150 Expansion bars the HM960 will flower a full 4'x8' flood tray with a single light. Ask your local hydro store for a customized light layout and commercial quote today.

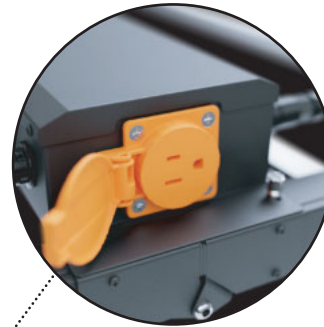


### INTENDED APPLICATIONS

- Indoor Commercial Cultivation

### FEATURES & BENEFITS

- Compatible with TrolMaster system+Adapter LMA-14
- Total of 4500 pcs LED diodes on the fixture including deep red led diode
- Perfect grow solution for 4' x 6' grow tray
- Come 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 1150W HPS
- Scientifically engineered to maximize photosynthesis, growth, and yield

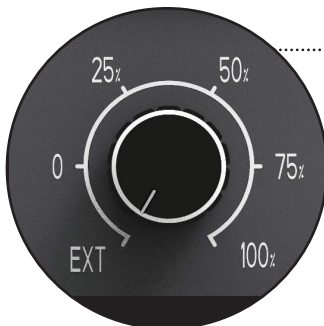
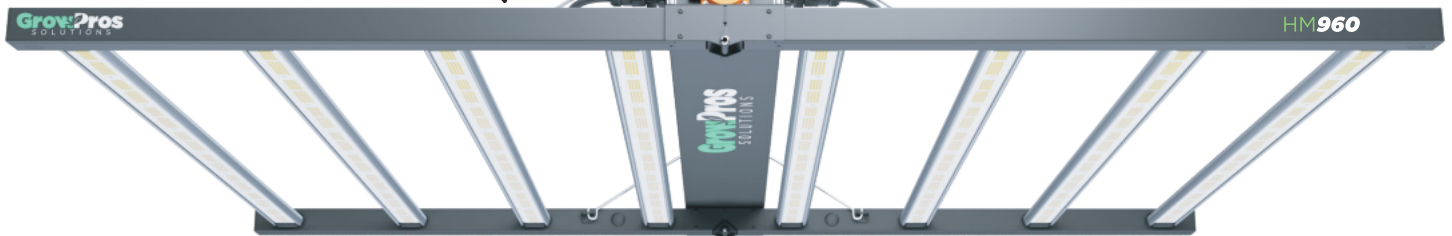


### 120-277V AC OUTPUT QUICK ACCESS OUTLET

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



The perfect grow solution for 4' x 6' grow tray in the market today.....



### DIMMER

The HM960 comes with a fully integral dimmer that you can adjust seamlessly from 0-100%.

### 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 at 110% power, and 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               | 960W                             |
| INPUT VOLTAGE         | 120V-277V                        |
| CONTROLLER            | TrolMaster Hydro-X + LMA14       |
| CONTROL               | 0-10V dimming (0-100%)           |
| POWER FACTOR          | >95%                             |
| DAISY CHAIN PORT      | RJ12                             |
| THERMAL MANAGEMENT    | Passive                          |
| WORKING TEMPERATURE   | -40°F ~ 122°F                    |
| IP RATING             | Suitable for dry & wet locations |
| LIFEIME               | L90 > 54,000 Hrs                 |
| WARRANTY              | 7 year limited                   |
| CERTIFICATIONS        | ETL, DLC, CE, FCC                |
| HEAT LOAD PER FIXTURE | 3276 BTU                         |

### PERFORMANCE DATA

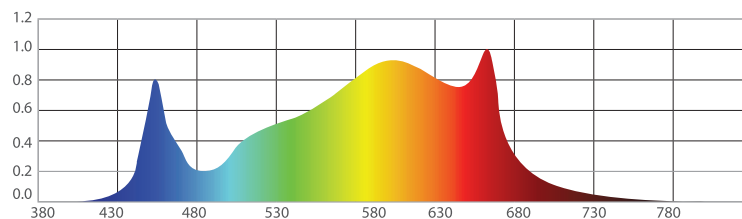
|      | MAX. POWER @ 12" H                |
|------|-----------------------------------|
| PPF  | 2600 $\mu\text{mol/s}$            |
| PPFD | 1393 $\mu\text{mol/m}^2/\text{s}$ |
| PPE  | 2.7 $\mu\text{mol/J}$             |

### RECOMMENDED SET-UP

**Flower:** 4' X 6' Area , 5'x5' Area

**Veg:** 4' X 6' Area, Max: 4' X 8' Area, 5'x5' Area

### SPECTRAL DISTRIBUTION



### MAXIMUM POWER ELECTRICAL DATA

| AC VOLTAGE   | 120V  | 208V  | 240V  | 277V  |
|--------------|-------|-------|-------|-------|
| AC CURRENT   | 8.3A  | 4.66A | 4.01A | 3.47A |
| AC POWER     | 985W  | 970W  | 960W  | 960W  |
| POWER FACTOR | 0.998 | 0.982 | 0.969 | 0.945 |

**GROSS WEIGHT:** 45 lbs

### PPFD READING

12" Height @ 100% (1000W)

■ 4'X4' ■ 4'X5' ■ 4'X6'

|     |     |      |      |      |      |      |      |      |      |      |     |
|-----|-----|------|------|------|------|------|------|------|------|------|-----|
| 420 | 491 | 539  |      |      |      | 575  |      |      | 541  | 439  | 419 |
|     |     |      | 719  |      |      | 794  |      | 747  |      |      |     |
|     |     |      |      | 1067 |      | 1111 |      | 1097 |      |      |     |
|     |     |      |      |      | 1259 | 1268 | 1264 |      |      |      |     |
| 412 | 764 | 1077 | 1211 | 1277 | 1317 | 1325 | 1307 | 1271 | 1208 | 1065 | 760 |
|     |     |      |      |      | 1298 | 1290 | 1284 |      |      |      |     |
|     |     |      |      | 1151 |      | 1180 |      | 1122 |      |      |     |
|     |     |      | 1146 |      |      | 873  |      | 801  |      |      |     |
| 459 | 541 | 593  |      |      |      | 607  |      |      | 565  | 507  | 463 |

### DIMENSIONS

