GrowPros
SOLUTIONS

## LED LIGHTING SOLUTION FOR COMMERCIAL INDOOR AND GREENHOUSE APPLICATIONS

AK800® Series

GPS-AK-800W-240V

The Grow Pros AK800 is the preferred choice for 1:1 HPS replacement. The Grow Pros AK800 single-tier LED features higher efficiency with equal optical performance or higher than standard HPS grow lights. AK800 saves you more money within as little as 6-8 months when installed in optimal grow room conditions. The Grow Pros AK800 is long-lasting, easy-to-maintain, and better for long-term exponential growth of your plants and your business.

INTENDED APPLICATIONS
• Hydroponic cannabis growing
• Vertical Farming
• Indoor greenhouse
• Commercial grows

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FOR DAMP LOCATION

DIMMABLE

7 YEAR Limited Warranty
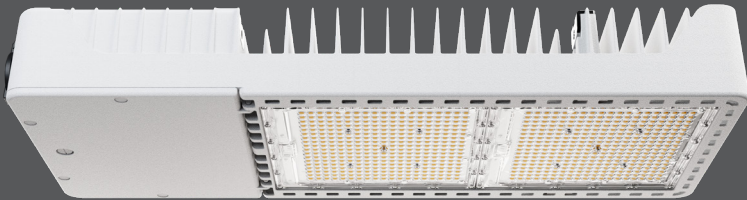
FEATURES & BENEFITS

Optimal thermal management means low maintenance, reduced power consumption, and longer fixture life

Full-spectrum, high-intensity blues and reds for full-cycle growth

Multiple fixtures can be daisy-chained and synced using a single power supply for universal control to maintain uniform, dynamic light levels throughout the full growth cycle

A single-tier 1:1 HPS replacement LED grow light, meaning performance of AK800 LED grow light matches HPS with greater efficiency for greater savings over time

Proven to be 35% more effective than HPS grow lights at up to 2.7 µmol/J

A PPF of 2150 µmols for higher efficiency while requiring less fixtures to achieve optimal output

Compact, Easy to Install: Low-profile 4" depth compared to 7" width of HPS grow light

Uniform, widespread distribution equal to HPS light throw while providing deeper penetration over the canopy

UNDER PROPER GROW CONDITIONS, MONEY CAN BE GAINED BACK IN AN AVERAGE OF 6-8 MONTHS

Project Name:		Type:
Note:		Date:

LED LIGHTING SOLUTION FOR COMMERCIAL INDOOR AND GREENHOUSE APPLICATIONS

Save as much as 25% in energy savings compared to single-ended HPS and DE grow lights. Operating at 800 watts with an output of 2150 µmols, the Grow Pros AK800 LED achieves a high efficacy of 2.7 µmol/J. The full spectrum light output of Grow Pros AK800 is beneficial for complete plant development, delivering more usable light to the plants, from the germination stage and for both the vegetative and flowering cycles.

TECHNICAL SPECIFICATIONS

WATTAGE	**800W**
INPUT POWER	**120V-277V**
FREQUENCY	**50/60Hz**
CONTROL	**0-10V dimming (0-100%)**
POWER FACTOR	**0.9**
THD	**20%**
SURGE PROTECTION	**L/N-PE: 10kV, L-N: 6kV**
WORKING TEMPERATURE	**-40ºF ~ 122ºF**
IP RATING	**IP44, Suitable for dry & damp locations**
SPECTRUM	**Full spectrum**
WARRANTY	**7 year limited**

STANDARD POWER ELECTRICAL DATA

AC VOLTAGE	120V	208V	240V	277V
AC CURRENT	6.8A	3.9A	3.5A	3.0A
AC POWER	826W	808W	800W	798W
POWER FACTOR	0.996	0.99	0.98	0.96
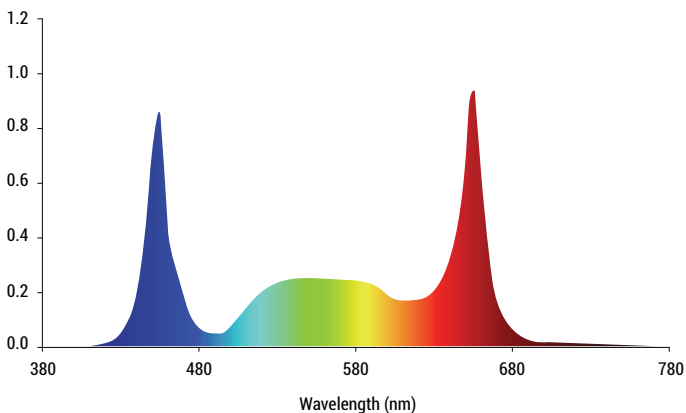
PERFORMANCE DATA

PPF	**2150 µmol/s**
PPE	**2.7 µmol/J**

DIMENSIONS

11.8"

28.7"

3.94"
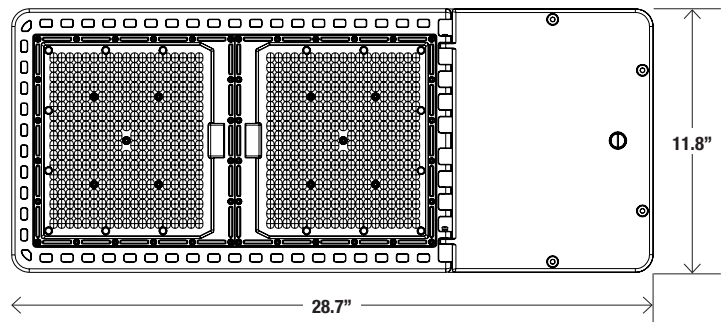
GROSS WEIGHT: 35 lbs

WHAT'S IN THE BOX
- 1x AK800 Series unit
- 1x 12ft power cord with 240V plug
- 1x 240V to 120V adapter
- 1x RJ12 cable
- 2 pairs hook and pendant mounting

SPECTRAL DISTRIBUTION

Wavelength (nm)