



VIVIDGRO™ V2 GROW FIXTURE

The VIVIDGRO™ V2 takes your growing to the next level. This revolutionary fixture was created by the same Lighting Science engineers who helped both astronauts aboard the International Space Station and field station scientists in Antarctica to cultivate their own food. This fixture is a complete energy efficient and spectrally optimized LED lighting solution for a variety of agricultural and horticultural lighting applications, including commercial grow facilities, homeowner/hobbyists, greenhouses, and growth chambers. The lamp delivers both optimized photosynthetically active radiation (PAR) to maximize plant growth and PAR efficacy, while providing light suitable for the human visual system and excellent color saturation.

FEATURES

| | |
|---------------------------|---|
| PAR Output | 1081 $\mu\text{mol} / \text{s}$ |
| Power Consumption (Watts) | 588W |
| PAR Efficacy | 1.838 $\mu\text{mol}/\text{J}$ delivered |
| LEDs | 312 High Power LEDs |
| Input Voltage | 100-277 VAC, 50/60 Hz |
| Weight | 29.0kg / 64lbs |
| Mounting Height | 24" - 30" Above Canopy |
| Housing | Rugged, Die-Cast Aluminum Housing and Optical-Grade Weather Resistant Polycarbonate Cover |
| Power Factor | >0.95 |
| CCT | 3R1W (2500k) |
| Operating Temperature | -40 °C ~ 80 °C |
| Storage Temperature | -30 °C ~ 40 °C |
| Environmental Rating | IP65 |
| Beam Angle | 65 ° |
| Warranty | 5 Year Limited |

- Perfect replacement for one 1,000w HPS/Metal Halide fixture. A true one-for-one replacement
- Excellent PAR output and photosynthetic efficiency
- Broad spectrum – tailored to maximize photosynthetic absorption efficiency. Wavelengths of 450 and 660 nanometers.
- No radiated heat to allow for maximum irradiance at close proximity to plant canopy
- Ideal application for a variety of industry verticals, including Cannabis production.
- Passive cooling, no fans, moving parts and low noise
- Contains no mercury (unlike HID and fluorescent) or glass

DIMENSIONS

1077 (L) x 603 (W) x 110 (H) mm
42.4" (L) x 23.74" (W) x 4.33" (H)



Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. † Values are nominal, advances from further innovation, specifications are subject to change.

VIVIDGRO™ V2 GROW FIXTURE SPECIFICATIONS

| Part Number | LED'S | Wattage | Beam Angle | Par Output $\mu\text{mol} / \text{s}$ | Voltage | Par Efficacy $\mu\text{mol} / \text{J}$ |
|-------------|------------|---------|------------|---------------------------------------|------------|---|
| VGROHB | 312 HP LED | 588W | 65° | 1081 | 120-277VAC | 1838 |

ORDERING INFORMATION \ \ VGROHB 600W P26 MVOLT CLR ND BLK

NORTH AMERICAN CERTIFICATIONS



ENVIRONMENT



CAUTIONS

Turn power off before inspection, installation, or removal. Not dimmable. Risk of Electric Shock – Do not use where directly exposed to water or weather. For use in recessed fixtures. Suitable for use in indoor-dry and damp locations only. Do not open – no user serviceable parts inside. North America use on 120VAC, 50 - 60 Hz circuits. This device is not intended for use with emergency exit fixtures or emergency exit lights. Added weight of the device may cause instability of a free-standing portable Luminaire. This device complies with Part 15 of the FCC rules and has been tested and found to comply with the limits for a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.