

EES Inc.

How
will you
grow?

Vibra-gro™

Maximize productivity and ROI from your grow lights.

Vibra-gro™ Plasma Cathode Lighting System

Vibra-gro™ is custom-designed for maximum productivity, efficiency, versatility, safety, and service life. It's tops for ROI.

Created for the purpose, Vibra-gro™ is the ideal light source for cannabis cultivation. It's the most plant-friendly grow lamp available.

We generate light, not heat. 90+% efficiency. Operating temp, 120° F, nominal.

:Linear, round tube lamp provides nice, even lighting. Cannabis-customized phosphors in full spectrum, vegetative cool and flowering warm lamp choices.

- **Productivity:** accelerated growth, increased flower yield.
- **Efficiency:** half the power use vs. most lights. Reduce A/C costs.
- **Versatility:** quick install, highly portable, variable mounts.
- **Reliability:** 10-year life, low maintenance.
- **Safety:** warm (not hot!) to touch, easy on the eyes.

Vibra-gro™ was developed by EES, Inc. The result of a 4-year project. Reports from multiple beta users, with a year's experience, have been phenomenal.



Made in USA

Report from one engineer/grower:

- **Productivity:** cut several days off grow cycle. 20% more dry yield. Increased stalk splitting. More cannabinoids.
- **Efficiency:** 40% less power with 1/3 more lights. Roughly 50% reduction in A/C costs, as well.
- **Versatility:** quick install, experimented with vertical and horizontal mounts. Including combinations. Suspended from chains, height varied easily.
- **Reliability:** zero maintenance, once installed.
- **Safety:** plants in contact with lamps, at times. No damage.



Lighting System	Lamp Type	Output Wattage	Total Lights	Total Wattage	Plants	Yield Lbs.	Yield per Plant oz.	Grams per Watt
Phantom 50 Series Commercial DE Open	Double-ended K12 X30s	1135	9	10215	40	10	4	0.44
Vibra-gro™	Plasma Cathode	502	12	6024	40	12	4.8	0.89

Specification detail:

- **Lamps per fixture:** 6
- **Lamp length:** 8 foot.
- **Spectral composition:** 3 choices, full-spectrum white, vegetative cool, flowering warm.
- **Power supply:** self-adjusting 115-277 Volts.
- **Cordset:** 120 Volt, 3-prong American standard. Other options available.
- **Lamp life:** rated 60000 hours, minimal light output degradation over lifespan.
- **Power use:** 500 Watts per 6-lamp fixture.
- **Application efficiency:** typically, 20-25 watts per foot of canopy space. Dependent on specifics of local use.
- **Overall dimensions:** 16" W X 3.5" H X 96" L.
- **Fixture weight:** 35 lbs.

For interior use only.



Ordering Information					
Series	Lamp Length	Lamp Quantity	Lamp Spectrum	Voltage	Reflector
EESPL	96 = 96"	6 = 6 Lamps	F = Full Spectrum FL = Flowering V = Vegetative	120 240 277	S = Specular

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