



FL-GR-UNV



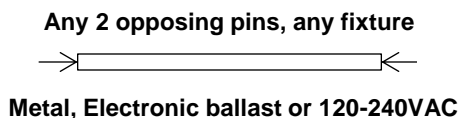
**8Watts, 3100
Lumens**

Description:

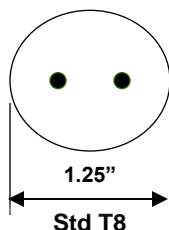
The FL-GR-UNV is the answer for HYDROPONICS and GROW lighting. State of the art technology saves extreme power, **SIMPLY BY INTERCHANGING** the tube in your existing fluorescent light fixture. **NO WIRING OR ELECTRICIAN** is required to upgrade. The "Universal Tube" works in all fixtures, Metal Ballast, Electronic Ballast, or 120-240VAC! It is also polarity free as tube can be inserted for either side. This "NO BRAINER" tube saves the additional cost of re-wiring your existing fixtures, requiring electricians, and eliminates the Safety hazards this entails. Perfect for commercial use that allows the end-user to upgrade to immediate power savings without the hassle of re-wiring or requiring an electrician to install. No electrical work is required. If you can change a lightbulb, you can install and upgrade to the FL-GR-UNV for immediate power savings. Uses "CHEAP" florescent fixtures.

- **WORKS** in ANY T8 and T12 low cost Fluorescent lamp fixtures with significant power savings. **TRUE** plug and play tube **SAVES MONEY** by using standard fixtures.
- Tube Operates with **EXISTING** light fixtures, no wiring or electrician needed to install. Works with Ballast or Direct AC Drive
- LED Driver integrated inside the tube, no external wiring or cabling needed.
- Spectrum Designed for **MAX** plant Growth
- Mercury and lead free, Environmentally safe and completely recyclable.
- Operating temperature range -20C to +50C
- Solves Safety Issue by eliminating re-wiring
- **MTBF 100,000 Hours!** Make money Growing!

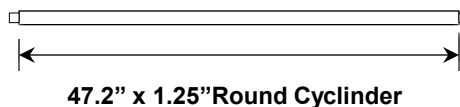
Electrical Schematic-



Connector End -



Mechanical -



Flexible • Patented Technology • Proven Reliability

For More Information:

Silver Spark Lighting, Inc.
2929 N. Central Expressway, Suite 250
Richardson, TX, 75080 U.S.A.
Tel: (214) 253-0646
Fax: (972) 479-1015
www.SilverSparkLighting.com

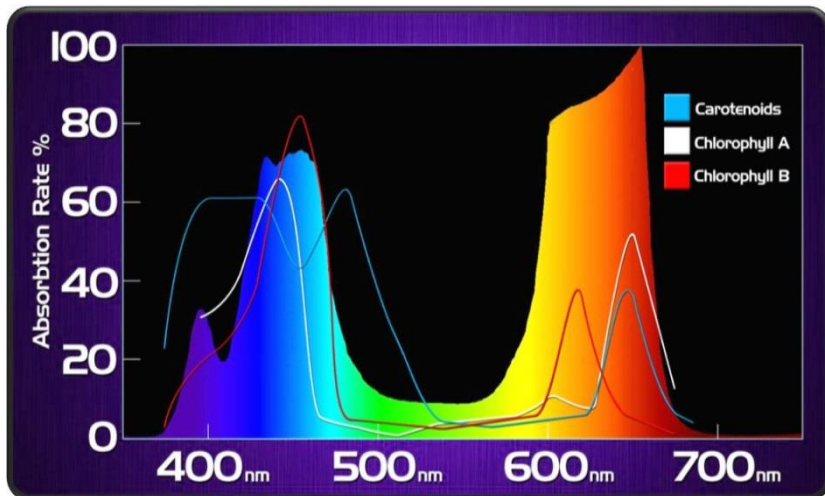
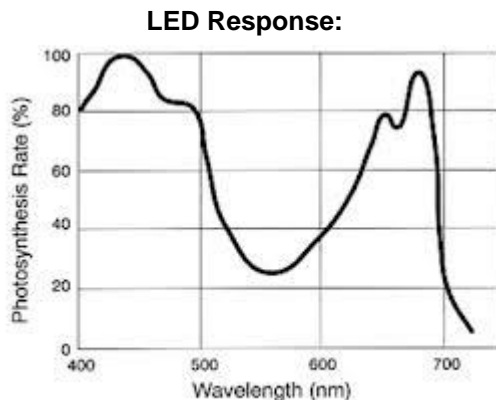
Proudly Made in the USA





Ordering information:

- 1.) FL-GR-UNV – 4 Foot T8/T12 Replacement
- 2.) FL-GR-UNV2 – 2 Foot T4 Replacement



Ordering Color Options:
Option1 – Standard Grow

Environmental Specs:
 Temperature -20c to +50c
 Humidity 95%
 Vibration Mil Std 810
 Drop Test IEC 601-2
 Power-F > 0.90 Power Factor
 Safety No Exposed Metal

- **MERCURY and LEAD FREE**
- **100% RECYCLEABLE**
- **No Reflector**

Plant growth is achieved by exciting Chlorophyll A, Chlorophyll B, and Plant Carotenoid compounds in the External Phytolayer of the plant leaf. Tests show that by stimulating the layer with the proper dual-band frequencies stimulates maximum plant growth. LED's have much lower costs, No Heat Waste as in other plant growing systems, and has proven to need less watering. We also have a timer available to speed up plant growth by cycling the plants own Photosynthesis / Root Sugar cycle.

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