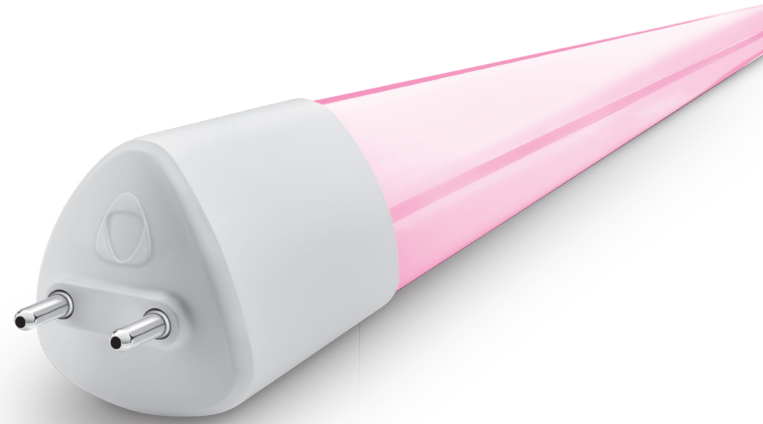


# toggled® gro™ LED Tubes

Horticulture Tubes

T8/T12 Replacement for 120-277 VAC

- Universal voltage (120-277 VAC)
- Low heat
- Ballast bypass
- 50,000 hour life
- Excellent light distribution
- Full and focused spectrum avail.



toggled gro LED tubes are engineered to provide improved growing performance for green leafy plants using selected LED output wavelengths. As with all toggled LED tubes, the grow tubes are mercury-free and energy efficient, and designed to work in standard T8 and T12 fluorescent tube fixtures. They run directly off of building line power and eliminate fluorescent ballast systems to deliver high quality lighting.

### Outstanding Product Performance

- 40-70% energy savings
- Eliminates ballasts and maintenance costs
- Designed for direct connection to building AC power, voltage 120-277 VAC 50-60Hz
- Rapid payback for high-demand applications
- Eligible for available state and energy credit programs and utility incentives

### Superior Quality of Light

- Patented triangular tube shape is engineered for broader and more uniform light distribution
- Engineered to encourage vegetative growth and promote larger leaf growth
- Limited\* 6-year commercial warranty

### Commercial-grade

- Designed and engineered in U.S.A.
- Instant start in cold
- Shatterproof polycarbonate construction
- Suitable for damp locations
- No mercury

\*Details at [toggled.com/warranty](http://toggled.com/warranty)

## Ordering Information

| Series                | Length               | Power                | CCT   | Lens                 | Output               | Options              |
|-----------------------|----------------------|----------------------|---|----------------------|----------------------|----------------------|
| <input type="text"/>  | <input type="text"/> | <input type="text"/> | <input type="text"/>                        | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| E = Universal Voltage | 4 = 4 feet           | 16 = 16 Watts        | G1 = Focused Spectrum<br>G2 = Full Spectrum | 3 = Wide Angle       | 1 = Standard         | 0 = None             |

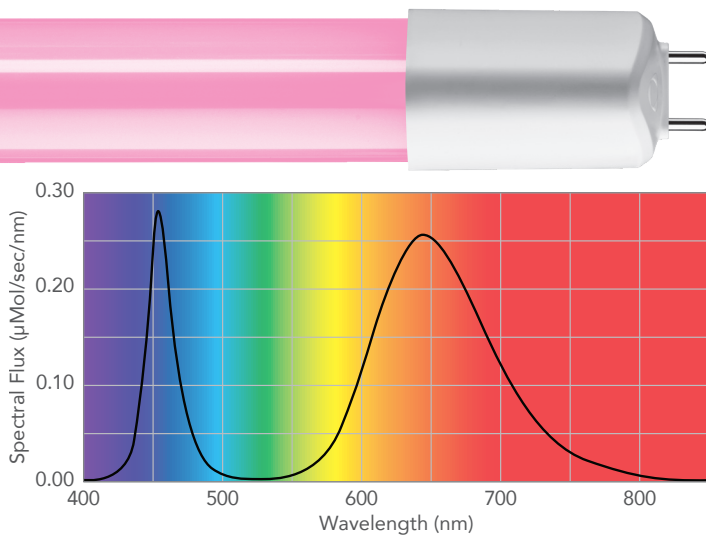


# toggled gro LED Tubes

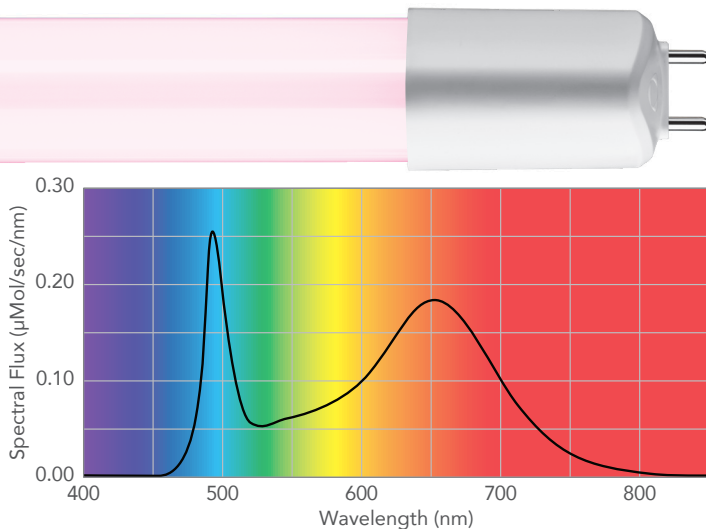
T8/T12 Replacement for 120-277 VAC

| Model No.                     | Input Voltage | Power (Watts) | PPF (400-700nm)                   | PBAR (350-800nm)                  | PPF Efficacy (400-700nm)                 | PBAR Efficacy (350-800nm)                |
|-------------------------------|---------------|---------------|-----------------------------------|-----------------------------------|--|--|
| E416-G1310 - Focused Spectrum | 120-277VAC    | 16            | 29.84 $\mu\text{mol}/\text{Sec.}$ | 34.12 $\mu\text{mol}/\text{Sec.}$ | 1.8 $\mu\text{mol}/\text{Sec.}/\text{W}$ | 2.1 $\mu\text{mol}/\text{Sec.}/\text{W}$ |
| E416-G2310 - Full Spectrum    | 120-277VAC    | 16            | 31.33 $\mu\text{mol}/\text{Sec.}$ | 33.39 $\mu\text{mol}/\text{Sec.}$ | 1.9 $\mu\text{mol}/\text{Sec.}/\text{W}$ | 2.1 $\mu\text{mol}/\text{Sec.}/\text{W}$ |

## Focused Spectrum Tube

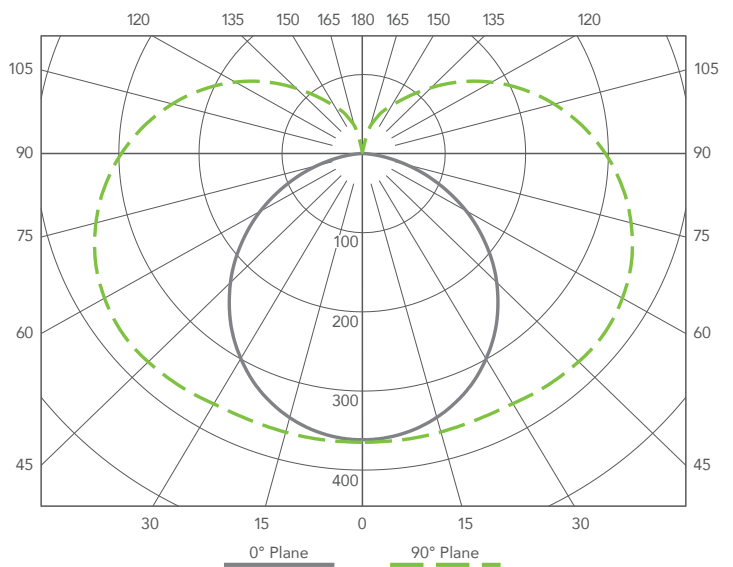


## Full Spectrum Tube



## Photometrics

IES files available upon request



### Disclaimer:

toggled reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.