

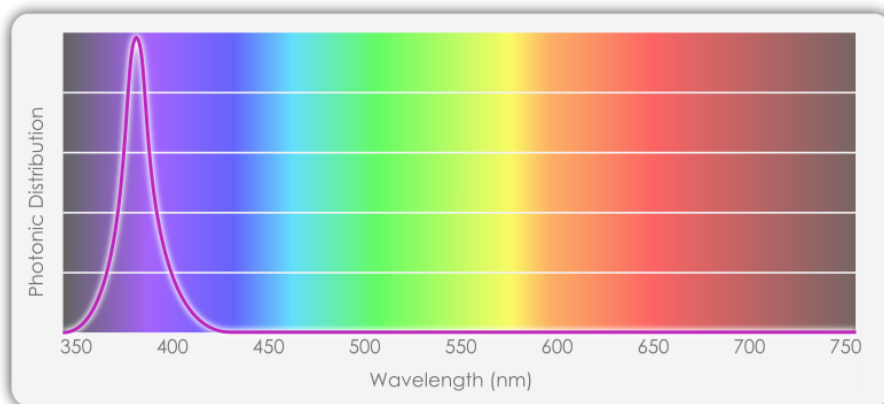
## TotalGrow™ UVA Bar



### Crop Enrichment Lighting

Ultraviolet-A Light for Enhanced Crop Quality

- 30W of highly efficient, reliable LED UVA lighting
- Stimulate growth quality and hardening responses missed by standard lights
- Thin, narrow profile for simple, versatile utilization



*Spectrum/Power Customization Available*



**contact: [info@venntis.com](mailto:info@venntis.com)**

The TotalGrow UVA Bar generates 385nm UVA light with exceptional efficiency and reliability in an ideal form factor for simple utilization. Standard grow lights emit little or no UVA radiation. UVA stimulates several plant photoreceptors that enhance hardiness, coloration, tastes, smells, density and potency. Combine with sunlight and/or TotalGrow full spectrum lights for ideal growth!





## Why UVA?

Approximately 5% of solar radiation reaching the earth is ultraviolet-A (320-400nm). These light wavelengths drive relatively little photosynthesis, but trigger other responses in plants, primarily defense mechanisms. Comparable to human skin becoming tan, plants produce anthocyanins and other valuable nutrients and chemicals to become stronger. UV radiation is absent from most grow rooms and greenhouses because of UV-filtering glazing materials and the lack of UV in most grow lights. Supplementing with TotalGrow UVA Bars will enhance many quality aspects of your plant growth in these situations.

UVA Light Bar Product Specifications	
Product Number	TG3B-82-1107-BA8-05
Power Consumption (W)	30
Output (μmol/s)	45
Efficacy (μmol/J)	1.5
Length x Width x Height (inches)	23.7 x 2.3 x 1.5
Weight (lbs.)	2.3
Input Voltage	100-277V
Wavelength	385nm
Beam Angle	120°
Projected Service Life / Warranty	30,000 hours / 3 year
Waterproof	IP65
Daisy-Chain Limits (120V / 240V)	24 / 48 lights

## Usage Guidelines

Every application is unique, and our lighting experts will gladly provide you with a detailed, custom light plan (contact [info@venntis.com](mailto:info@venntis.com)). In the meantime, the following chart will provide helpful benchmarks:

Usage Guidelines: TotalGrow UVA Bars				
	<b>Light Level Target</b>	<b>Low</b>	<b>Medium</b>	<b>High</b>
	<b>Plant Size</b>	<b>Small</b>	<b>Medium</b>	<b>Large</b>
	<b>Examples</b>	Microgreens 	Lettuce, Basil, Vegetative Growth 	Large Flowering Crops 
<b>Supplemental UVA Lighting (strong)</b>	UVA Light Intensity:	10 μmol/m <sup>2</sup> /s	20 μmol/m <sup>2</sup> /s	50 μmol/m <sup>2</sup> /s
	Approx. Coverage	40 sq. ft	20 sq. ft	8 sq. ft
	Approx. Spacing	5 x 8 ft	4 x 5 ft	2 x 4 ft
	Approx. Height	5 ft	3 ft	2 ft

- Improve crop quality and value
- Daisy-chain groups of lights for easy installation
- Slim, versatile shape for easy, aesthetic installation
- Reliably produce year-round
- Very low energy consumption
- Long, low maintenance life
- Excellent light uniformly