



#### Description:

17 watt LED Grow Light with a full spectrum, emphasizing the Blue and Red wavelengths.

Several of the key benefits of this light include:

- Light Spectrum is efficiently absorbed by plants
- Save money on maintenance and electricity
- UL listed for damp location
- Long lasting – 50,000 hour expected LED life
- Cool running so light can be mounted close to plants

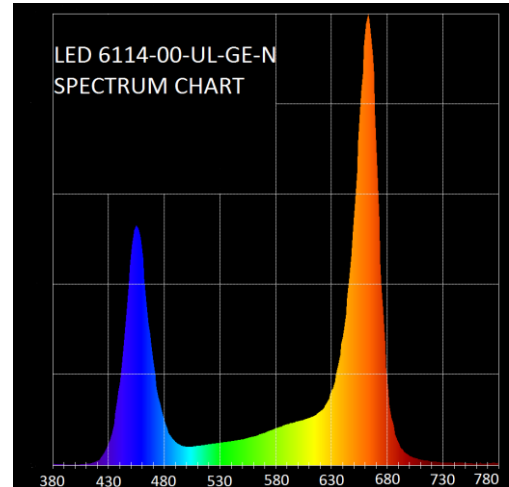
This light is designed as a retrofit for a 4 foot fluorescent tube, and fits into many fixtures. In some cases simple modifications are necessary, which include removing the ballast and in some cases replacing a socket (tombstone). It can be installed in an open or closed fixture, and accepts an input voltage of 120-277VAC.

#### Applications:

This lamp can be used as a primary or supplemental light source for almost any type of indoor growing. The low profile makes it good for vertical farming applications. The light output has a very wide angle. It will provide the greatest benefit when mounted relatively close to the plants.

#### Notes:

- When installing retrofit lamps, the ballast must be bypassed when present.
- Installing surge/lightning protectors is highly recommended to eliminate premature failure caused by surges and other power fluctuations
- All specification information falls within a +/- 5% range and is subject to change without notice.
- Light Efficient Design is providing this information to the general public. Please note that all products contained herein are trademarked, copyrighted and/or have patents pending. Any use of these designs is strictly prohibited without prior written consent. Light Efficient Design protects its proprietary information vigorously in the courts of the United States of America.



Technical Specifications	
Type	Retrofit
Mounting	G13 Bi-Pin
Material	Aluminum / Polycarbonate/ Other
Input Voltage	120-277 VAC
Power Consumption	17 watts
Power Factor	> 99
PAR Output (Center)	
6 inches	61 $\mu\text{mol}/\text{m}^2/\text{s}$
8 inches	49 $\mu\text{mol}/\text{m}^2/\text{s}$
10 inches	34 $\mu\text{mol}/\text{m}^2/\text{s}$
12 inches	25 $\mu\text{mol}/\text{m}^2/\text{s}$
LED Colors	Red, White, Blue
Coverage area	up to 4' by 1'
Dimmable	No
Beam Angle	Wide
Rated LED Life	50,000 hours
Dimensions	
Length	48 inches
Diameter	1.17 inches
Mercury/Lead content	None
Warranty	5 year limited