

LED Retrofit Kit for PGR15 & E15



Convion PGR15 retrofitted with broad spectrum, dimmable LED lights provides lighting intensity of 1,400 $\mu\text{mol}/\text{m}^2/\text{sec}$ at 6" (150mm).

Save energy and minimize the chance of interruption to your research by installing a PGR15/E15 LED lighting kit. Kits come complete with do-it-yourself instructions so that your facilities staff can install them quickly and easily.

Why replace my fluorescent lamps?

Fluorescent lamps such as T5, T8 and T12 have been the standard for many years and have been used in tens of thousands of plant growth chambers around the world. However, fluorescent lighting is trending towards obsolescence and replacement lights are increasingly difficult to source economically.

Over time, the light intensity of aging fluorescent lamps will also naturally decline and chambers that have been in use for prolonged periods may no longer be reaching desired light intensities – compromising your research.

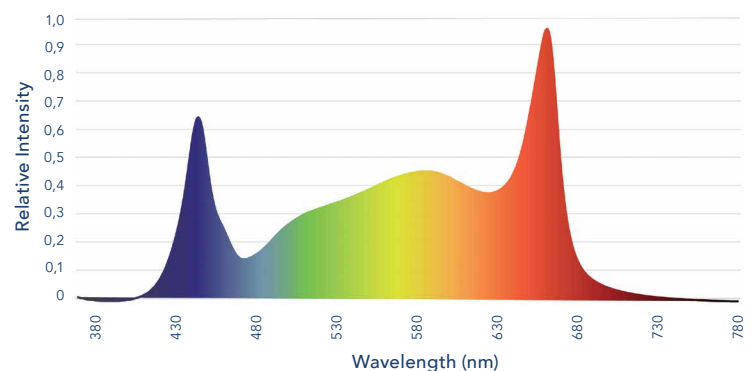
Why switch to LEDs?

- Up to 80% energy savings on lights
- Increased lighting intensity
- Space saving design increases available growth height for your plants
- No costly control system retrofit required*
- No need to hire specialized trades outside of your existing facilities management department
- Take advantage of energy rebate programs in your area
- Peace of mind knowing you have an OEM approved solution with warranty

*Assumes CMP3000 series or higher.

LED Spectrum

Purpose built for the PGR15/E15, energy saving LEDs are ideal for research requiring an all-purpose broad white spectrum.

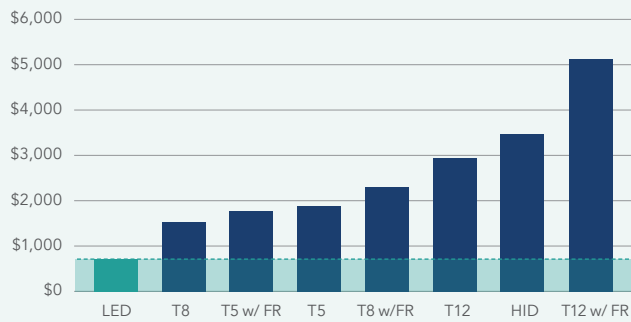


UV	B	G	R	FR	
2 %	19 %	36 %	40 %	3 %	
PAR	CCT	CRI	B:G	B:R	R:FR
95 %	4500	90	0.5	0.47	12.9

CONVIRON®

Upgrade your PGR15/E15 chambers with high intensity, energy saving LED lighting.

Lighting Energy Cost per Year (\$)



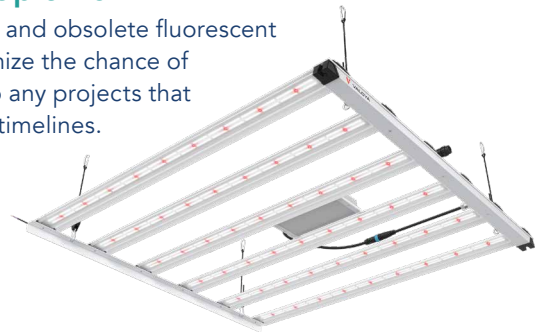
Energy savings

Based on operating a simple 16-hour lights on/8-hour lights off cycle and average energy costs of \$0.15 per kWh, you can save approximately \$4,500 per year in lighting energy costs, depending on lighting type.



Maximize Up-time

Replace aging and obsolete fluorescent lights to minimize the chance of interruption to any projects that are on critical timelines.



Increase growth height

Ultra slim form factor increases the available growth height for your plants.

This upgrade should be considered mandatory rather than optional. Fluorescent lighting just cannot come close to the illumination that these LED's are capable of.

– Carl Szczerski, Facility Technician,
Biological Sciences, University of Manitoba

The new LEDs are much more suited to our rice plants. The plants are responding well and flowered within weeks - something we were not able to achieve previously with the chamber.

– Dr. Olivia Wilkins, Assistant Professor,
Plant Systems Biology, University of Manitoba



Learn more

Contact Conviron at info@conviron.com for a calculation on your annual energy savings and a quote.