

WANT TO KNOW MORE  
ABOUT GROWING  
WITH LED?

Check out our website  
[Knowledge Centre](#) for useful  
info and tips about modern  
horticulture lighting

#### KEY ARTICLES

- Why LED?
- What is PPFD?
- The Inverse Square Law



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#### ER1200

60W  
0.35kg  
PPF 102 ( $\mu\text{mol/s}$ )  
PAR 400 to 700nm  
Photon Efficiency 1.70  $\mu\text{mol/j}$   
Operating temperature  $-30^{\circ}\text{c}$  to  $+50^{\circ}\text{c}$   
Small grow area (1 light per plant)



#### ER1800

150W  
1.25kg  
PPF 258 ( $\mu\text{mol/s}$ )  
PAR 400 to 700nm  
Photon Efficiency 1.72  $\mu\text{mol/j}$   
Operating temperature  $-30^{\circ}\text{c}$  to  $+50^{\circ}\text{c}$   
Medium grow area (1 light per 2 plants)



#### ER4000

1000W  
15.2 kg  
PPF 1716 ( $\mu\text{mol/s}$ )  
PAR 400 to 700nm  
Photon Efficiency 1.72  $\mu\text{mol/j}$   
Operating temperature  $-30^{\circ}$ to  $+60^{\circ}\text{c}$   
Large grow area (numerous plants)



**FUSION SERIES**

**Horticulture  
Lighting System**



[spectrah.com.au](http://spectrah.com.au)



#### CUSTOM PURPLE SPECTRA

Next-gen LED emits the photonic energy your plants need to grow.



#### FANLESS DESIGN

Efficient design manages heat without cooling fans.



#### LIGHT & STURDY

Super lightweight  
Water resistant - IP67  
Extra low voltage - SELV  
Extra tough - IK09

## The "FUSION" LED Horticulture Grow Light

### THE RIGHT SPECTRUM FOR YOUR PLANTS

Through years of collective research, we discovered that most plants primarily utilise a combination of blue and red light to produce the chlorophyll they need to grow. We also found that a little bit of orange, green and yellow light can help plants produce higher yields during flowering phases. Combining this array of specific colors produces our "Purple" spectra which we have customised for rapid growth and yield.

### The next generation of horticulture lighting



### ENGINEERED WITH TECH TO LAST

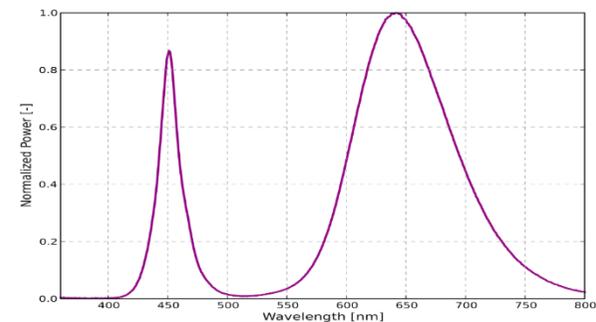
Hand made in Australia, we produce quality lighting products that are durable for all growing conditions. That's why our grow lights are backed by a 5 year warranty to assure our gardeners that they have bought a high quality product.

- State-of-the-art lens
- Next-gen CoB LED
- Aircraft-grade materials
- Smart wire cable system
- PPF intensity control
- Ultra-light heat sink

### LIGHT WEIGHT AND COST EFFECTIVE

Our heatsink design means there is no need for fans to cool the unit, making this LED even lighter and more heat efficient. Get rid of your old bulky fixtures and maximise your vertical grow space whilst reducing power consumption and increasing yield per watt. Most conventional light fixtures project light everywhere (omni-directional), in which at least 30% of that light is wasted! Our lights use a specialised optical lens which emits a collimated beam of light to ensure you capture the photons only where your plants need it.

### Precise wavelengths of energy



### GROWING MADE EASY AND SAFE

The module is so easy to hang, adjust and expand, with a fully adjustable wire cable system. No need to stress about fire or water hazards as our lights are DC voltage safe and water resistant. Perhaps best of all, you can grow a variety of plant species under one roof by using multiple lights in a series. This means you can easily adjust distance from light source to plant surface, whilst catering for different growth rates on an individual basis.



#### MODULAR & EXPANDABLE

An expandable and adjustable lighting system.



#### 5 YEAR WARRANTY

Aircraft grade materials backed by a 5 Year Warranty.



#### MADE IN AUSTRALIA

Designed and assembled here in Australia