

**Efficacy: 2.5  $\mu\text{mol}/\text{J}$**   
**Total PPF: 2,000  $\mu\text{mol}/\text{s}$**

## **HELLION G2** **GREENHOUSE** **LED 820W**

### **RETROFIT 1 :1 HPS REPLACEMENT**

The HELLION G2 is a direct replacement for 1000W HPS greenhouse fixtures. Featuring 428 x Seoul 5050 white, 20 x Led-Star blue and 180 x Osram hyper-red diodes with 2 x industrial strength Sosen drivers.

Available in 240V single-phase (3.42 A) and 415V 3-phase (1.98A) models. The 820W HELLION G2 is an energy efficient, high output, full spectrum array that delivers serious supplemental or stand-alone horticultural lighting.



UL8800 Compliant

## SPECIFICATIONS

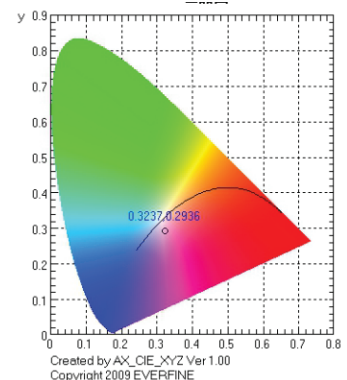
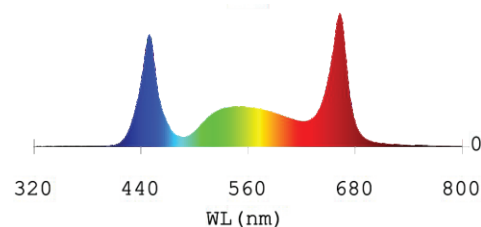
INPUT POWER	820 W
DIMMING SWITCH	330 W / 500 W / 650 W / 820 W / EXT
LED EFFICACY	2.5 $\mu\text{mol/J}$
TOTAL PPF	2000 $\mu\text{mol/s}$
INPUT VOLTAGE	240 V or 415 V
DIODES	SEOUL 5050 LED-STAR BLUE OSRAM HYPER-RED
UNIT SIZE	737 x 305 x 89 mm
FIXTURE WEIGHT	12.5 kg
FIXTURE DIMENSIONS	737 mm x 305 mm x 89 mm

## SPECTRUM TEST REPORT

### Plant Parameters:

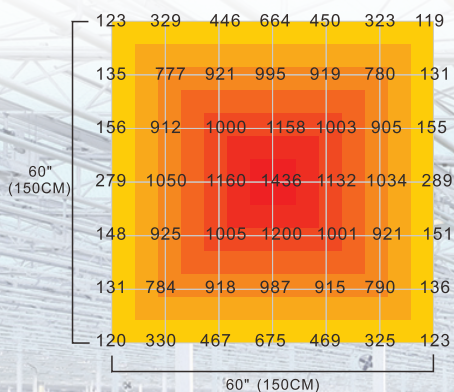
$\Phi_v$  (lm): 99108.94  
 $\Phi_e, \lambda$  (W/nm): 411.5  
 $\Phi_e$  (W): 405.3  
 $\Phi_{rb\_Ratio}$ : 0.01145  
 $\Phi_{e,uv}$  (W): 0.9612  
PPF (400-700) ( $\mu\text{mol/s}$ ): 2026.72  
PPF (500-600) ( $\mu\text{mol/s}$ ): 622.538  
Numol ( $\mu\text{mol}$ ): 2026.72  
PPF (700-800) ( $\mu\text{mol/s}$ ): 33.88  
 $\Phi_{ch-A}$  (W): 107.5  
 $\Phi_{ch-B}$  (W): 100.9  
 $\Phi_{b-p}$  (W): 127.2  
 $\Phi_{y-g}$  (W): 165  
 $\Phi_{r-o}$  (W): 1.457

$Q_v$  (lm.s): 93499  
 $Q_e$  (J): 411.5  
PPE ( $\mu\text{mol/s/W}$ ): 2.535  
 $\Phi_{e,b}$  (W): 411.  
 $\Phi_{e,fr}$  (W): 5.253  
PPF (400-500) ( $\mu\text{mol/s}$ ): 452.9  
PPF (600-700) ( $\mu\text{mol/s}$ ): 952.5  
 $\Phi_{p,uv}$  ( $\mu\text{mol/s}$ ): 5.253  
 $\Phi_r$  (W): 410.7  
 $Q_{ch-A}$  (J): 107.5  
 $Q_{ch-B}$  (J): 100.9  
 $Q_{b-p}$  (J): 127.2  
 $Q_{y-g}$  (J): 165  
 $Q_{r-o}$  (J): 1.457

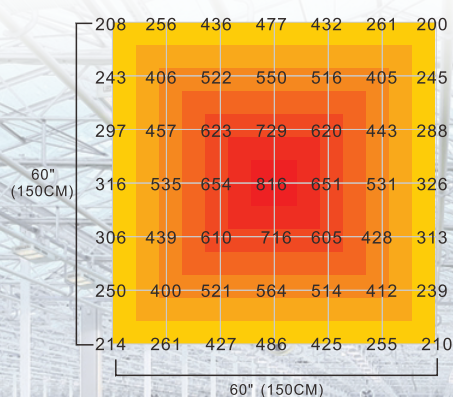


## PAR DISTRIBUTION

**36" 90cm**



**46" 120cm**



**60" 150cm**

