

LED RENO 820W

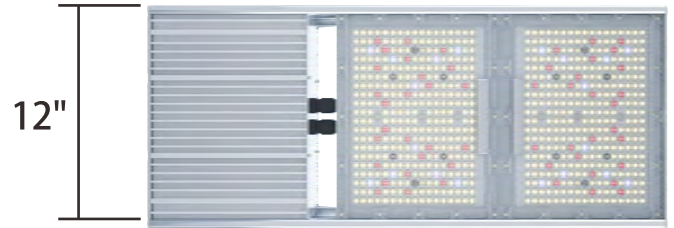
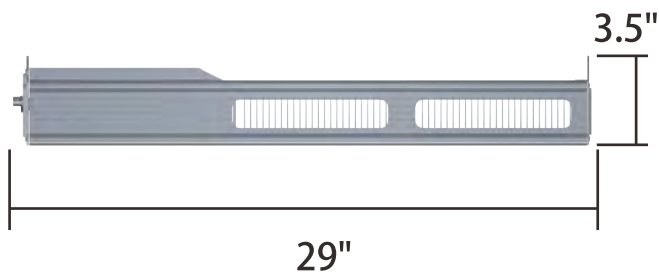
The LED that is a direct replacement for HPS. With a footprint designed to fit seamlessly in existing HPS layouts, the LED RENO 820W is a highly energy efficient LED delivering serious growing power. The LED RENO 820W

delivers more crop-loving light in a broader spectrum at up to 20% energy savings than 1000W DE HPS fixtures (based on average wattage of each fixture).



Retrofit 1:1 HPS replacement



SPECIFICATIONS

INPUT POWER

820W

DIMMING SWITCH

330W / 500W / 650W / 820W / EXT

LED EFFICACY

 2.5 μ mol/J

TOTAL PPF

 2000 μ mol/s

INPUT VOLTAGE

120-277V / 277-480V

CHIP

SEOUL 6V 5050 LEDs

PACKAGING SIZE

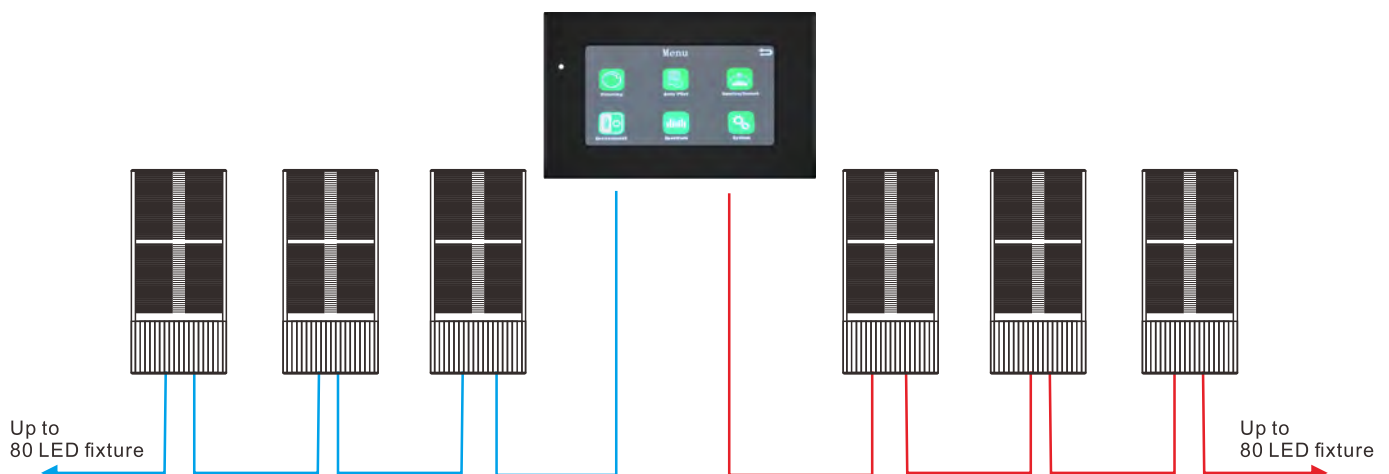
30" * 14.5" * 6.5" (770*375*170MM)

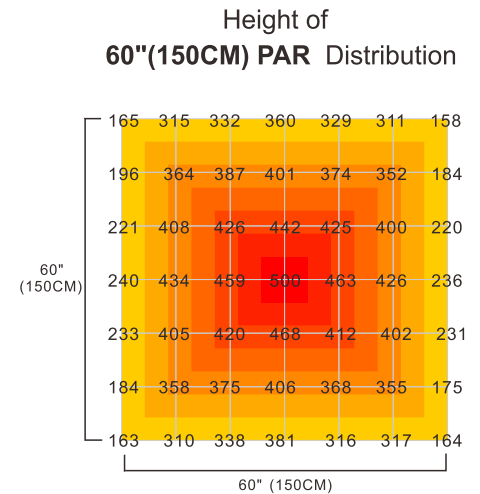
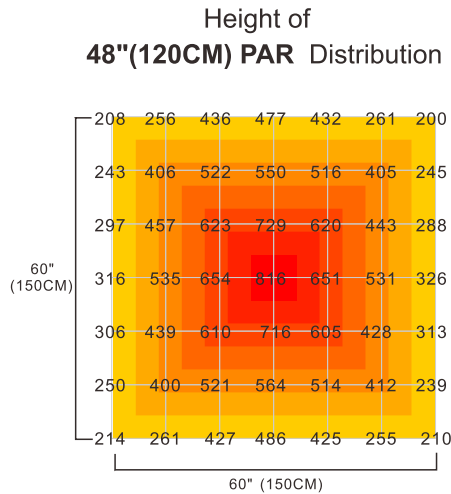
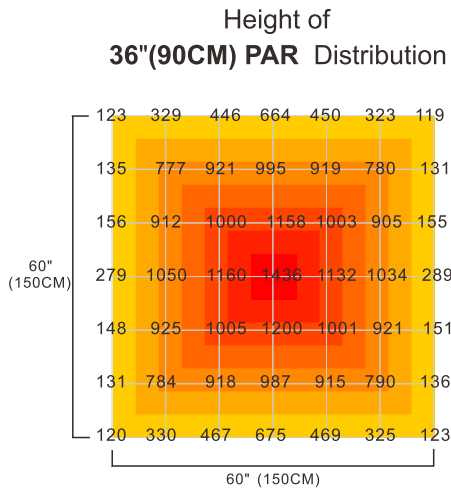
FIXTURE WEIGHT

27.5Lb (12.5kg)

EXTERNAL 0-10V SMART REMOTE CONTROL

LED RENO 820W is compatible with our controllers. It is equipped with an external RJ14 cable and allows for installation of 160 fixtures per controller port by simply daisy chaining the fixtures.



POWER PAR DISTRIBUTION

SPECTRUM TEST REPORT
Plant Parameters:

Φ_v (lm) : 99108.94
 $\Phi_{e,\lambda}$ (W/nm) : 411.5
 Φ_e (W) : 405.3
 Φ_{rb_Ratio} : 0.01145
 $\Phi_{e,uv}$ (W) : 0.9612
PPF(400-700) (umol/s) : 2026.72
PPF(500-600) (umol/s) : 622.538
Numol (umol) : 2026.72
PPF(700-800) (umol/s) : 33.88
 Φ_{ch-A} (W) : 107.5
 Φ_{ch-B} (W) : 100.9
 Φ_{b-p} (W) : 127.2 99108.94
 Φ_{y-g} (W) : 165
 Φ_{r-o} (W) : 1.457
Qv (lm.s) : 93499
Qe (J) : 411.5
PPE (umol/s/W) : 2.535
 $\Phi_{e,b}$ (W) : 411.
 $\Phi_{e,fr}$ (W) : 5.253
PPF(400-500) (umol/s) : 452.9
PPF(600-700) (umol/s) : 952.5
 $\Phi_{p,uv}$ (umol/s) : 5.253
 Φ_r (W) : 410.7
Qch-A (J) : 107.5
Qch-B (J) : 100.9
Qb-p (J) : 127.2
Qy-g (J) : 165
Qr-o (J) : 1.457

