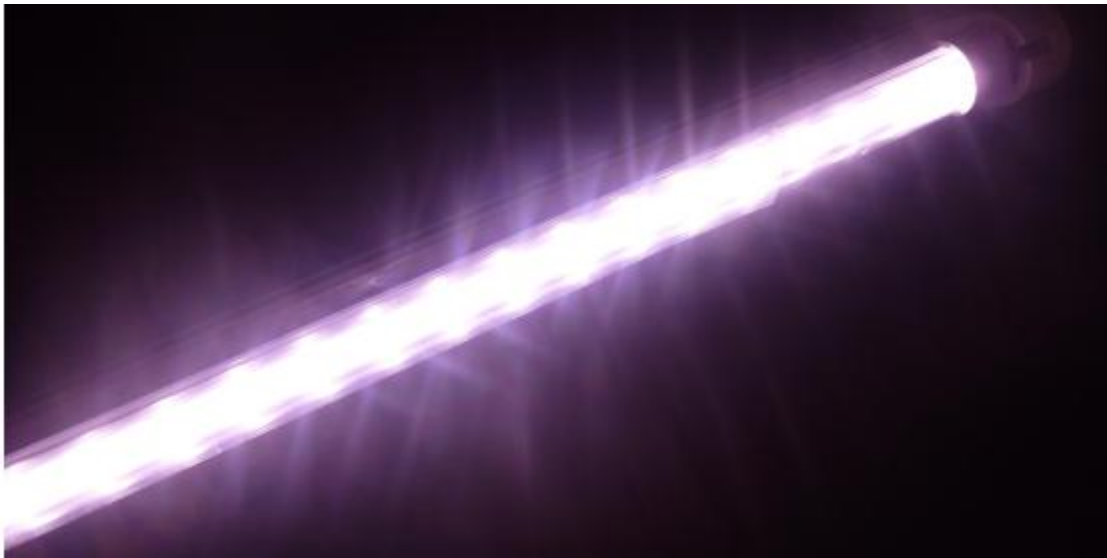


FULL SPECTRUM T5 LED GROW TUBE SPECIFICATION

4 Foot 36W T5 LED grow tube is full spectrum grow tube, produce a well balanced spectrum for your plants, and allow plants to be transplanted more easily without shocking the system. Current plant lights are mostly based on red and blue light, it is easy to cause plant mutation or argon nitrate in photosynthesis. Now no other T5 tube on the market produces full spectrum with this quality, and it can be applied in more than 73% types of plants, vegetables, flowers and fruits, because it have almost the same spectrum of sun light. 3 Year Warranty!



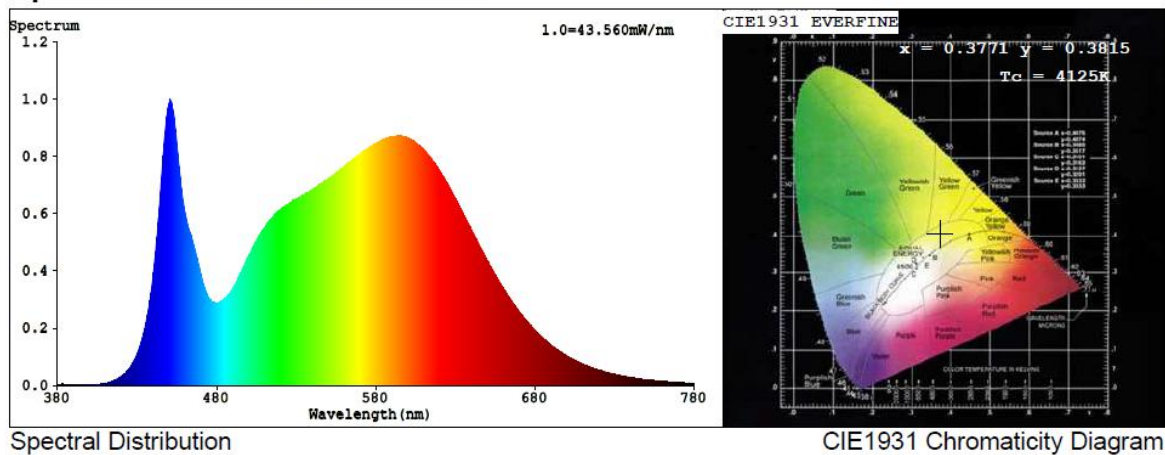
LED qty	84
Power	36W
Power Factor	0.95
Luminous Flux	3000lm
Luminous Intensity	150 μ mol/m ² /s ² (12inch from plants)
Size	1149*15.5mm

● SPECTRUM TEST REPORT

Test Condition

Temperature	: 28.0Deg	RH	: 50%
Scan Range	: 380nm-780nm	IP	: 50857 (78%)
		T	: 46 ms
Test Type	: Fast Test	Delicacy	: High

Spectroradiometric Parameters



CIE Color Parameters:

Chromaticity Coordinate: $x=0.3771$ $y=0.3815$ $u'=0.2210$ $v'=0.5032$ ($duv=3.23e-03$)
CCT: $T_c=4125K$ Prcp WaveL: $\lambda_p=576.8nm$ Purity=27.7%
Peak WaveL: $\lambda_p=451nm$ Half Width: $\Delta\lambda_p=23.1nm$ Ratio: R=19.2% G=77.3% B=3.4%

Render Index: $R_a=83.2$

R1 =81 R2 =89 R3 =96 R4 =82 R5 =81 R6 =85 R7 =87
R8 =65 R9 =7 R10=75 R11=81 R12=61 R13=83 R14=98 R15=74
LEVEL:OUT WHITE:ANSI_4000K

Photo Parameters:

Flux = 2245 lm Eff. : 147.27 lm/W Fe = 6.727 W

Electrical parameters:

V = 220.0 V I = 0.07300 A P = 15.24 W PF = 0.9490

- Comparison of full spectrum tube & red-blue tube & natural tube (strawberry):

Light source	Time of begin to take root/day	Max amount of roots/plant	Average amount of roots/plant	Growth rate	Branch root
Natural tube	9	30	21	88.6	yes
Full Spectrum	7	76	48	100	yes
Red-blue tube	10	25	17	72.2	yes

- Advantages and features of full spectrum tube & red-blue tube:

Light source	Key technology	Advantage	Feature
Full Spectrum	RGB phosphors mixed light	Cover 73% of planets effectively	High production, easy for users to grow several kinds of plants
One-way Spectrum	Adjusted ratio of red & blue light	Low cost	Low production, low luminance
			One adjustment for only one kind of plant
			Poor effect on promoting plant growth

● APPLICATION



● MOUNTING WAY

