

## Lightsource Test Report

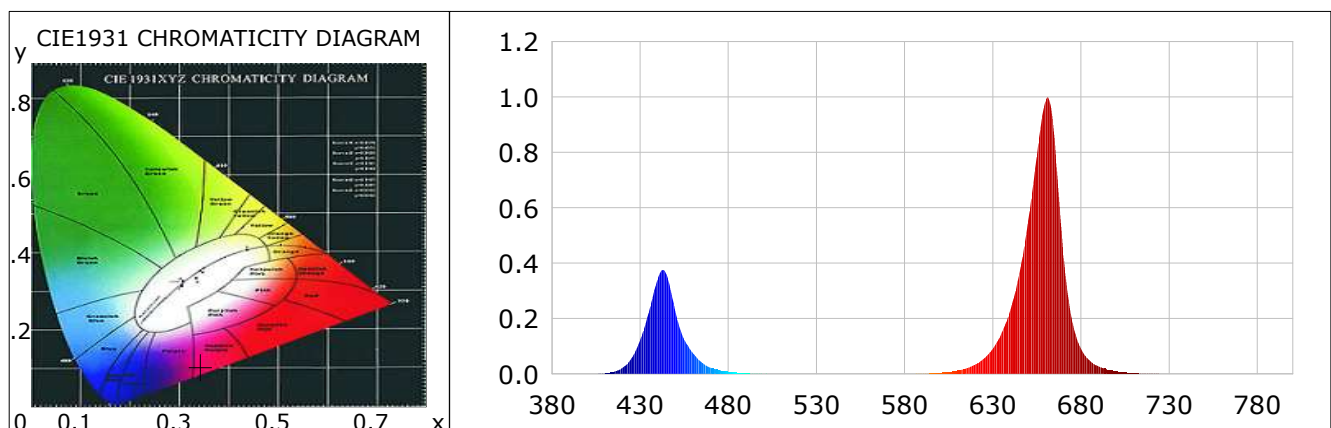
### Product Infomation

Product Category: Biloted 50W Cannabis  
Product Number: 262

Product Type: Horticulture Light  
Manufacturer: TzubaVision

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3423$   $y=0.1031$   $u(u')=0.3853$   $v=0.1741$   $v'=0.2612$   
 CCT:  $T_c=1249K$  ( $duv=-0.18476$ ) Color Ratio:  $R=0.876$   $G=0.019$   $B=0.106$   
 Peak Wavelength: 661.0nm Half Bandwidth: 20.3nm  
 Dominant Wavelength: 0.0nm Color Purity: 0.000  
 CRI:  $R_a=-129.9$  TM30:  $R_f=0$ ,  $R_g=-55$   
 $R1=-47$   $R2=-165$   $R3=-255$   $R4=-16$   $R5=-145$   $R6=-343$   $R7=-114$   $R8=47$   
 $R9=-110$   $R10=-446$   $R11=49$   $R12=-1052$   $R13=-137$   $R14=-79$   $R15=-86$   
 Color Quality Scale:  $Q_a=-1.$ ,  $Q_f=-1.$ ,  $Q_p=-1.$ ,  $Q_g=-1.$   
 $Q1=2$   $Q2=0$   $Q3=0$   $Q4=0$   $Q5=6$   $Q6=36$   $Q7=2$   $Q8=0$   
 $Q9=0$   $Q10=0$   $Q11=0$   $Q12=0$   $Q13=0$   $Q14=0$   $Q15=0$



### Photometric Parameters

Luminous Flux: 1062.38 lm  
EEI: 0.58  
PAR: 20.452 W

Efficiency: 22.52 lm/W  
Energy Efficiency Class: B (EU 874-2012)  
PPF: 103.154  $\mu\text{mol/s}$

Radiant Power: 20.530 W  
R/B: 3.0

### Electric Parameters

Voltage: 230.10V  
Power Factor: 0.9080

Current: 0.2260A  
Frequency: 50.00Hz

Power: 47.18W

### Test Infomation

Scan Range: 380~800:1nm  
Stabilization Time: 5 Sec  
Max of Signal: 51300 (2696)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 1.50m, 4PI  
CCD Integration Time: 8.58 ms

Condition:  $T_x=24.8^\circ\text{C}$ ,  $T_i=23.0^\circ\text{C}$ , R.H.:60%  
Test Lab: TzubaVision  
Operator:

Test Device: Lisun LMS-9000B  
Test Time:  
Inspector: