

## Spectral test report for lamp

Product type : Test time : 2025/4/12 17:21:39  
Product No. : 1 Test equipment : SPEC-3000A Spectrometer  
Manufacturer : Operator :

### CIE Color Parameter

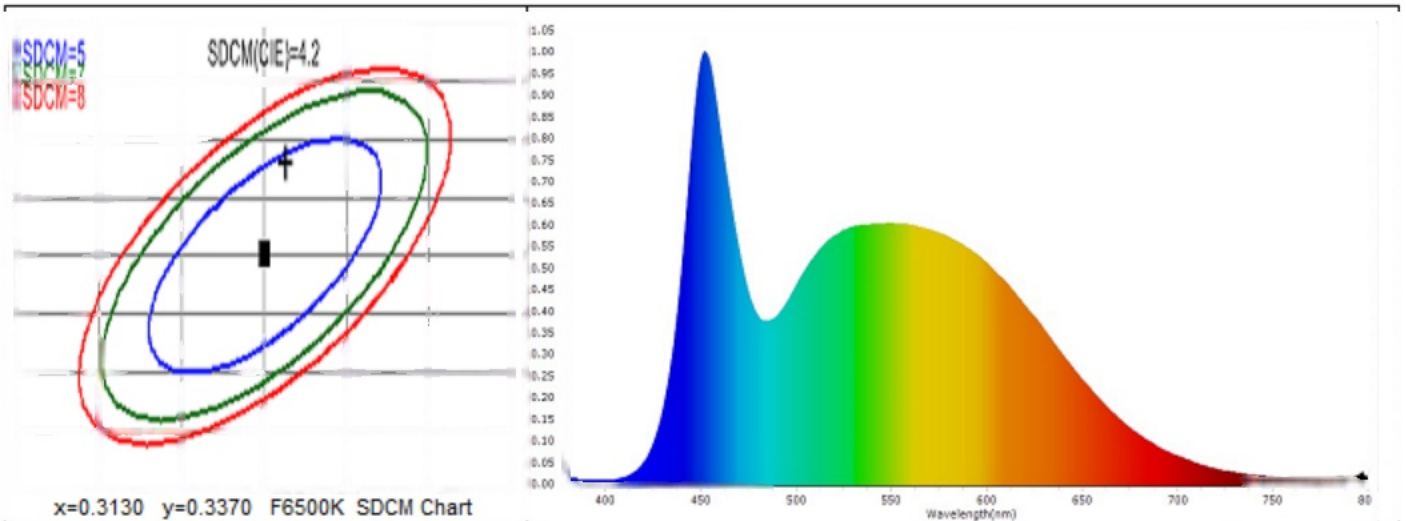
Chromaticity coordinates  $x=0.3143$   $y=0.3443$   $u=0.1934$   $v=0.3177$   $u^A=0.1934$   $v^A=0.4766$   
Color temperature: 6328 K (duv=+0.01003) Color difference: SDCM(CIE)=4.2 Main Wl:  $\lambda_d=484.02$  nm Purity: 0.339  
Peak wavelength:  $\lambda_p=451.4$  FWHM:  $\Delta\lambda_p=31.8$  nm Color ratio: R=0.141 G=0.804 B=0.055

Color rendering index (Ra): Ra=82.62

R1=77.9 R2=87.0 R3=95.3 R4=83.5 R5=82.3 R6=83.4 R7=85.7 R8=65.6  
R9=0.6 R10=70.5 R11=82.0 R12=61.4 R13=80.6 R14=98.2 R15=71.4

Color Quality Scale(CQS): Qa=82.4 Qf=76.4 Qp=94.8 Qg=82.3

Q1=77.1 Q2=86.0 Q3=94.4 Q4=82.6 Q5=81.3 Q6=82.6 Q7=84.9 Q8=64.6  
Q9=-0.3 Q10=69.6 Q11=81.0 Q12=60.6 Q13=79.8 Q14=97.2 Q15=70.5



### Optical Parameter

Luminous flux: 2244.944 lm luminous efficiency: 122.07 lm/w Radiant flux: 6.783 W  
Energy efficiency index(EEI): 0.112 Energy efficiency class: A+ (EU 874/2012)  
Mesopic vision flux(lm): USP=4084.417 MOVE=2382.751 MES2=2070.553

### Electrical Parameter

Voltage(V): 220.47 Current(A): 0.1269 Watto(W): 18.390 Power factor: 0.6568

### Test Infomation

Temperature : 25.0 Deg C Humidity : 65%  
Test range : 380-800nm : 1nm Peak AD. : 47825 (73.0%)  
Preheat time : 0(min) Integral time. : 62.05 (ms)