

### Spectral test report for lamp

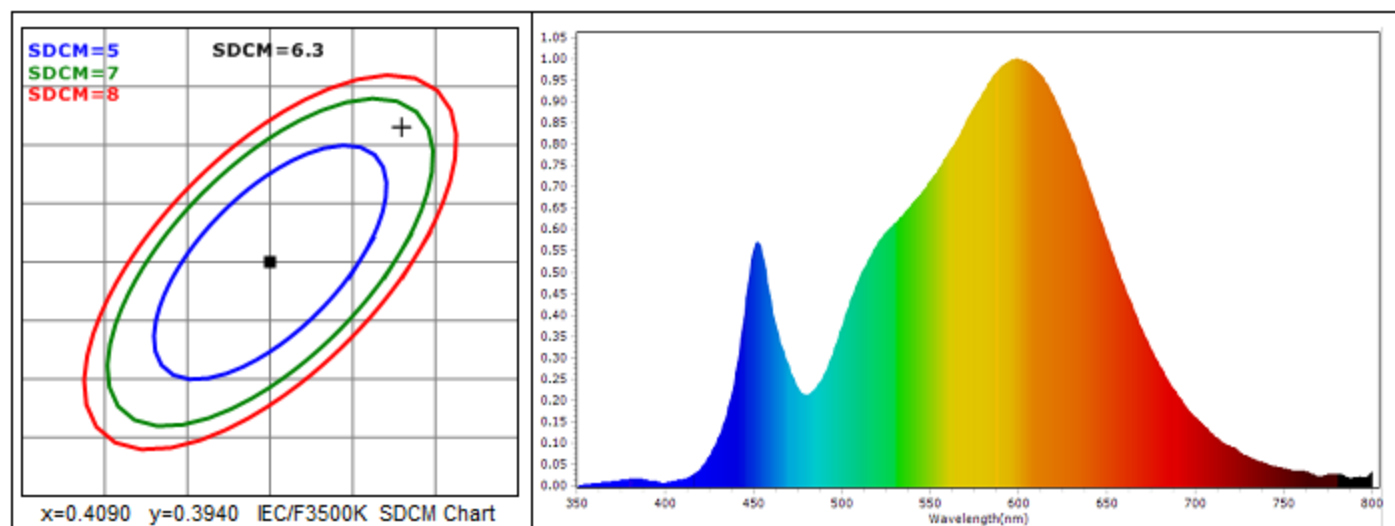
Product type : LLP30X120CM48W3000K-4  
 Product No. :  
 Manufacturer :

Test time : 2022-06-24 15:15:50  
 Test equipment : SPEC-2000A Spectrometer  
 Operator :

### CIE Color Parameter

Chromaticity coordinates:  $x=0.4212$   $y=0.4091$   $u=0.2384$   $v=0.3473$   $u^A=0.2384$   $v^A=0.5210$   
 Color temperature: 3328 K (duv=+0.00458) Color difference:SDCM(IEC/F3500)=6.3 Main Wt:  $\lambda_d=491.02$  nm Purity: 0.064  
 Peak wavelength:  $\lambda_p=597.9$  FWHM:  $\Delta\lambda_p=145.4$  nm Color ratio: R=0.220 G=0.756 B=0.024

Color rendering index :Ra=81.48 Color Fidelity:Rf=84.96 Color Gamut:Rg=93.73 GAI=83.35  
 R1=75.8 R2=84.9 R3=94.8 R4=85.4 R5=83.6 R6=88.1 R7=82.1 R8=56.8  
 R9=1.3 R10=68.1 R11=83.5 R12=65.3 R13=77.3 R14=97.0 R15=67.9



### Optical Parameter

Luminous flux: 5058.95 lm

luminous efficiency:103.84 lm/w

Radiant flux: 15.199 W

Energy efficiency index(EEI): 0.131

Energy efficiency class:A+ (EU 874/2012)

### Electrical Parameter

Voltage(V): 228.90

Current(A): 0.3670

Watte(W): 48.720

Power factor: 0.5780

### Test Infomation

Temperature :Deg C

Humidity :

Test range :350-800nm : 1nm

Peak AD. :42009 (64.1%)

Preheat time :0(min)

Integral time. :21.03 (ms)