



Lighting Measure Report

Color Parameter

Chroma Coordinate: $x=0.3826$ $y=0.3766$ $u=0.2266$ $v=0.3346$ $Duv=0.0007$

Chroma Coordinate: $u'=0.2266$ $v'=0.5018$

CCT.: CCT=3940K Dominant: $d=580.2\text{nm}$ Barycenter: $b=571\text{nm}$ Peak Wavelength: $p=454.9\text{nm}$

FWHM: 21.27nm Purity: $Pe=27.82\%$ Red Ratio: $R=0.188$ Green Ratio: $G=0.772$ Blue Ratio: $B=0.039$

Color CRI.: $Ra=84.62$ $\text{AvgR}(1\sim14)=78.5$ $\text{AvgR}(1\sim15)=78.47$

R 1=84 R 2=93 R 3=96 R 4=81 R 5=83 R 6=89 R 7=85

R 8=65 R 9=14 R 10=81 R 11=80 R 12=62 R 13=87 R 14=99

R 15=78

GAI: $GAI_EES=71.87$, $GAI_BB8=92.27$, $GAI_BB15=99.1$

Luminosity Parameter

Luminous Flux(380-780nm): 965.126lm Optical Power(380-780nm): 2.948W Efficient(380-780nm): 125lm/W

EEL: 0.1034 Energy Class: E (EU)2019/2015

Photons($\mu\text{mol/s}$): $13.9[380-780\text{nm}]$ $8.6[380-600\text{nm}]$ $11[500-700\text{nm}]$

Photosynthetic parameters(400-700nm): PPF: $13.5 \mu\text{mol/s}$

PAR:

Eff(PPF):

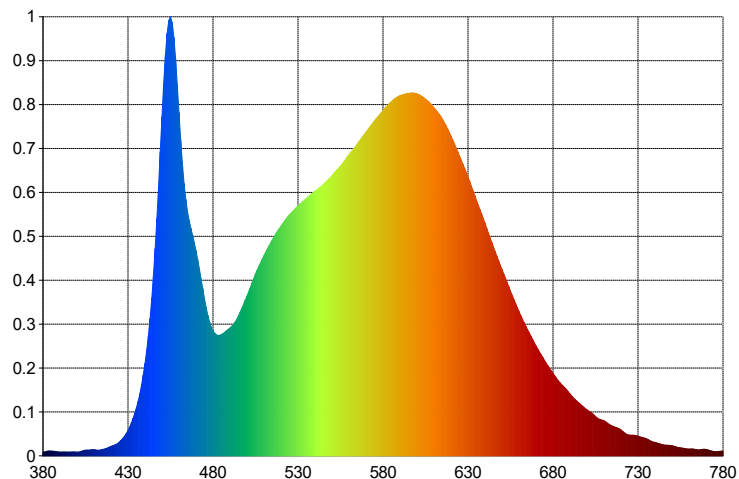
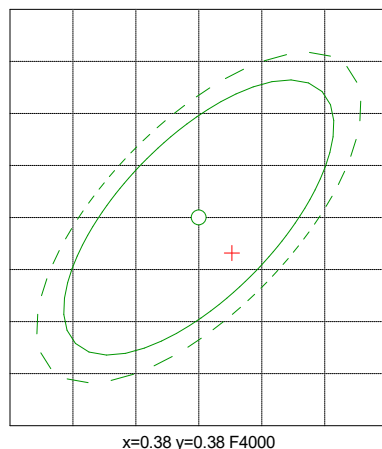
Electric Parameter

Voltage: $U=12\text{V}$ Current: $I=643.2\text{mA}$ Power: $P=7.72\text{W}$ PF: $PF=1$ Freq: 0Hz DF: 0

Device State

Wavelength Range: $380\text{nm}-780\text{nm}$ Wavelength Interval: 1nm

SDCM: 3.098



Standard: LM-79-08

Product Model: 121201011 7W 12V 4000K

Sample No.: 1

Test Cond: $T_g=24.2\text{Cels}$ $T_a=24.6\text{Cels}$ RH=60%

Test Date: 2025-8-27 9:18:7

Manufacturer: Smt Lighting

Product Category: LED strip

Measure Device: Volnic X-10 Series CCD Spectrum System

Operator(Sign): _____