



Lighting Measure Report

Color Parameter

Chroma Coordinate: $x=0.3156$ $y=0.3394$ $u=0.196$ $v=0.3161$ $Duv=0.0071$

Chroma Coordinate: $u'=0.196$ $v'=0.4742$

CCT.: CCT=6289K Dominant: $d=496.1\text{nm}$ Barycenter: $b=540\text{nm}$ Peak Wavelength: $p=456.9\text{nm}$

FWHM: 19.61nm Purity: $Pe=5.672\%$ Red Ratio: $R=0.136$ Green Ratio: $G=0.803$ Blue Ratio: $B=0.061$

Color CRI.: $Ra=83.82$ $\text{AvgR}(1\sim14)=76.64$ $\text{AvgR}(1\sim15)=76.67$

R 1=83 R 2=93 R 3=95 R 4=78 R 5=81 R 6=87 R 7=86

R 8=67 R 9=6 R 10=80 R 11=78 R 12=54 R 13=87 R 14=98

R 15=77

GAI: $GAI_EES=83.08$, $GAI_BB8=83.36$, $GAI_BB15=89.6$

Luminosity Parameter

Luminous Flux(380-780nm): 942.741lm Optical Power(380-780nm): 2.987W Efficient(380-780nm): 119.2lm/W

EEL: 0.1081 Energy Class: E (EU)2019/2015

Photons($\mu\text{mol/s}$): $13.5[380-780\text{nm}]$ $10.1[380-600\text{nm}]$ $9.5[500-700\text{nm}]$

Photosynthetic parameters(400-700nm): PPF: $13.3 \mu\text{mol/s}$

PAR:

Eff(PPF):

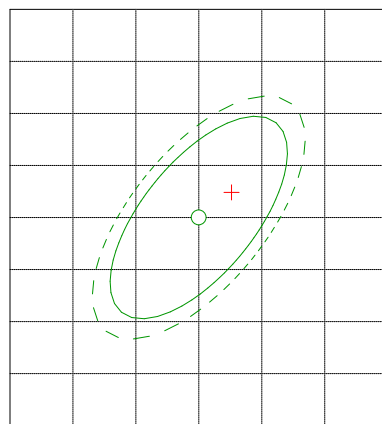
Electric Parameter

Voltage: $U=12\text{V}$ Current: $I=659.3\text{mA}$ Power: $P=7.91\text{W}$ PF: $PF=1$ Freq: 0Hz DF: 0

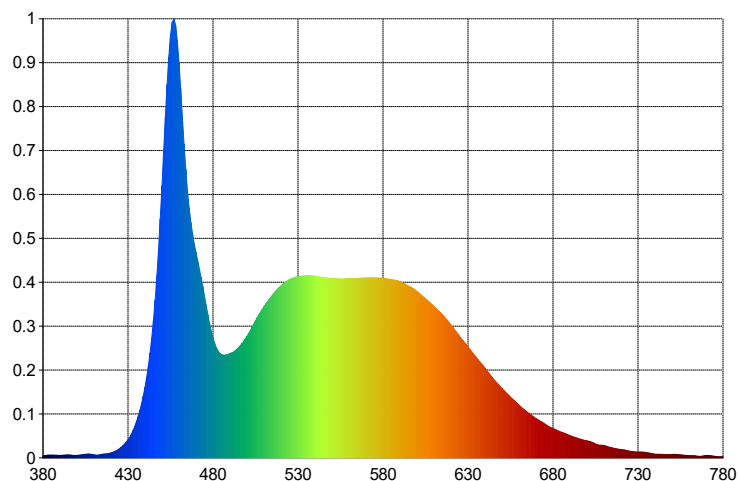
Device State

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

SDCM: 1.844



$x=0.313$ $y=0.337$ F6500



Standard: LM-79-08

Product Model: 011201001 7W 12V 6500K

Sample No.: 1

Test Cond: $Tg=24.2\text{Cels}$ $Ta=24.6\text{Cels}$ RH=60%

Test Date: 2025-8-27 8:43:21

Manufacturer: Smt Lighting

Product Category: LED strip

Measure Device: Volnic X-10 Series CCD Spectrum System

Operator(Sign): _____