

Lightsource Test Report

Product Infomation

Product Type: 24V 12mm 5050-108灯-RGBW-G

Product Number: 11

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.1561$ $y=0.7155$ $u(u')=0.0554$ $v=0.3808$ $v'=0.5712$

CCT: $T_c=8110K$ ($duv=0.16026$)

Color Ratio: $R=0.012$ $G=0.963$ $B=0.026$

Peak Wavelength: 515.9nm

Half Bandwidth: 27.6nm

Dominant Wavelength: 523.6nm

Color Purity: 0.769

Central Wave: 517.5nm

Gravity Wave: 517.0nm

CRI: $R_a=-22.8$, $avgR(1\sim14)=-51.7$, $avgR(1\sim15)=-49.9$

TM30: $R_f=3$, $R_g=11$

GAI: $GAI_BB_8=1.2$, $GAI_BB_15=2.0$, $GAI_EES=1.2$

$R1=-26$

$R2=-9$

$R3=-31$

$R4=-62$

$R5=-4$

$R6=-16$

$R7=-8$

$R8=-25$

$R9=-310$

$R10=-109$

$R11=-89$

$R12=-33$

$R13=-35$

$R14=35$

$R15=-25$

Color Quality Scale: $Q_a=0.6$, $Q_f=1.1$, $Q_p=0.0$, $Q_g=7.6$

$Q1=3$

$Q2=3$

$Q3=13$

$Q4=37$

$Q5=27$

$Q6=2$

$Q7=0$

$Q8=0$

$Q9=0$

$Q10=0$

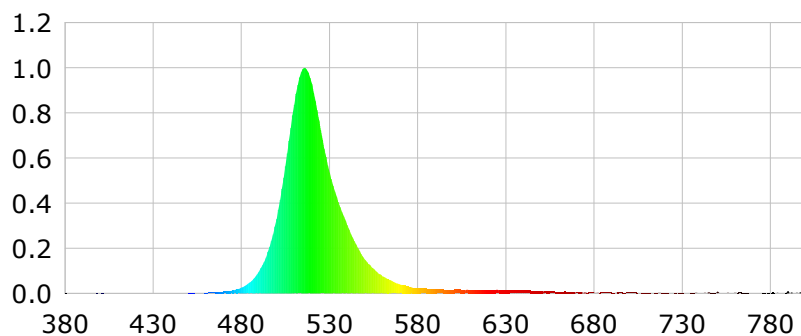
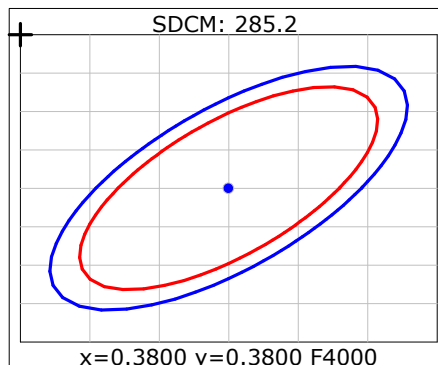
$Q11=0$

$Q12=0$

$Q13=1$

$Q14=0$

$Q15=3$



Photometric Parameters

Luminous Flux: 411.68 lm

Efficiency: 55.60 lm/W

Radiant Power: 0.922 W

Total mains efficacy: 55.60 lm/W

Energy Efficiency Class: G (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.000V

Current: 0.3085A

Power: 7.40W

Power Factor: 1.0000

Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 1 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4T

Max of Signal: 45539 (3159)

CCD Integration Time: 271.33 ms

Condition: $T_x=28.4^{\circ}C$, $T_i=25.6^{\circ}C$, R.H.:60%

Test Lab: Back Morning

Operator: STY

Test Device: CMS-2S (Plus)

Test Time: 2023-06-19 15:59:32

Inspector: