

Lightsource Test Report

Product Infomation

Product Type: 24V 10mm 5050-60灯 RGBW-W

Product Number: 6

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4034$ $y=0.3740$ $u(u')=0.2415$ $v=0.3359$ $v'=0.5038$

CCT: $T_c=3399K$ ($duv=-0.00711$)

Color Ratio: $R=0.216$ $G=0.750$ $B=0.034$

Peak Wavelength: 454.7nm

Half Bandwidth: 21.0nm

Dominant Wavelength: 584.8nm

Color Purity: 0.333

Central Wave: 456.2nm

Gravity Wave: 455.8nm

CRI: $R_a=84.9$, $avgR(1\sim14)=80.2$, $avgR(1\sim15)=80.2$

TM30: $R_f=84$, $R_g=97$

GAI: $GAI_BB_8=106.9$, $GAI_BB_15=113.8$, $GAI_EES=72.0$

$R1=85$

$R2=94$

$R3=95$

$R4=82$

$R5=86$

$R6=91$

$R7=82$

$R8=64$

$R9=20$

$R10=86$

$R11=81$

$R12=70$

$R13=88$

$R14=98$

$R15=81$

Color Quality Scale: $Q_a=82.3$, $Q_f=82.0$, $Q_p=85.3$, $Q_g=95.5$

$Q1=82$

$Q2=97$

$Q3=79$

$Q4=75$

$Q5=81$

$Q6=84$

$Q7=85$

$Q8=86$

$Q9=98$

$Q10=88$

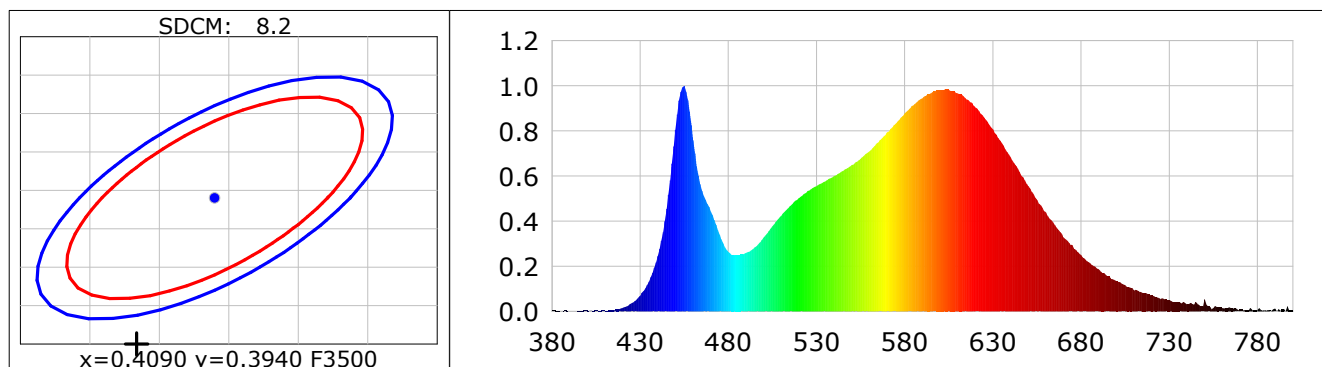
$Q11=84$

$Q12=81$

$Q13=82$

$Q14=76$

$Q15=78$



Photometric Parameters

Luminous Flux: 383.27 lm

Efficiency: 91.10 lm/W

Radiant Power: 1.198 W

Total mains efficacy: 91.10 lm/W

Energy Efficiency Class: F (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.000V

Current: 0.1753A

Power: 4.21W

Power Factor: 1.0000

Frequency: 0.00Hz

Test Information

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: 44807 (3452)

CCD Integration Time: 830.77 ms

Condition: $T_x=28.4^{\circ}C$, $T_i=25.7^{\circ}C$, R.H.:60%

Test Lab: Back Morning

Operator: STY

Test Device: CMS-2S (Plus)

Test Time: 2023-06-19 15:40:59

Inspector: