

Lightsource Test Report

Product Infomation

Product Type: 24V 12mm 5050-120灯 RGBW-B

Product Number: 7

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.1372$ $y=0.0558$ $u(u')=0.1616$ $v=0.0987$ $v'=0.1480$

CCT: $T_c=100000K$ ($duv=-0.16837$)

Color Ratio: $R=0.008$ $G=0.164$ $B=0.828$

Peak Wavelength: 462.3nm

Half Bandwidth: 20.5nm

Dominant Wavelength: 467.3nm

Color Purity: 0.969

Central Wave: 462.8nm

Gravity Wave: 462.5nm

CRI: $R_a=-48.9$, $avgR(1\sim14)=-81.0$, $avgR(1\sim15)=-75.2$

TM30: $R_f=0$, $R_g=35$

GAI: $GAI_BB_8=3.2$, $GAI_BB_15=4.1$, $GAI_EES=3.5$

$R1=-10$

$R2=-39$

$R3=-132$

$R4=-83$

$R5=4$

$R6=-51$

$R7=-45$

$R8=-34$

$R9=-262$

$R10=-215$

$R11=-114$

$R12=-98$

$R13=-27$

$R14=-27$

$R15=6$

Color Quality Scale: $Q_a=8.5$, $Q_f=11.7$, $Q_p=1.9$, $Q_g=26.6$

$Q1=55$

$Q2=32$

$Q3=8$

$Q4=15$

$Q5=36$

$Q6=65$

$Q7=87$

$Q8=36$

$Q9=1$

$Q10=0$

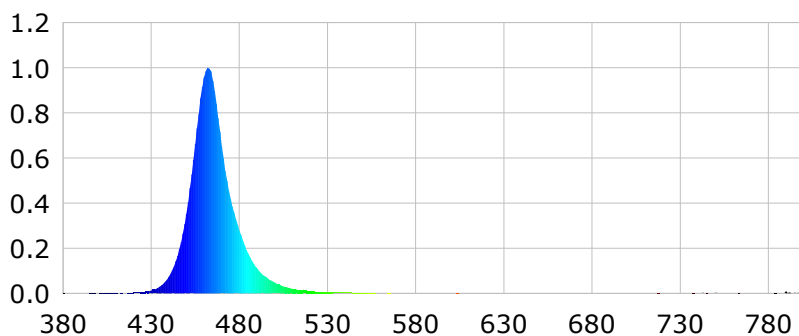
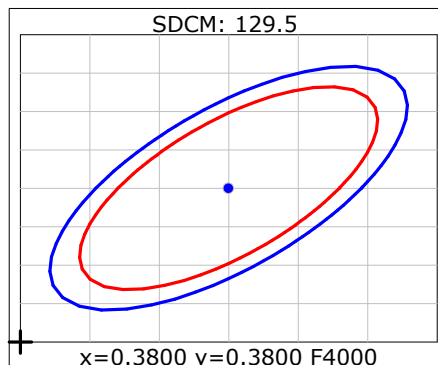
$Q11=0$

$Q12=0$

$Q13=2$

$Q14=7$

$Q15=44$



Photometric Parameters

Luminous Flux: 80.236 lm

Efficiency: 12.97 lm/W

Radiant Power: 1.236 W

Total mains efficacy: 12.97 lm/W

Energy Efficiency Class: G (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.000V

Current: 0.2578A

Power: 6.19W

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: 45057 (3049)

CCD Integration Time: 140.02 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 15:32:47

Inspector: