

Lightsource Test Report

Product Infomation

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

Product Number: 7

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4619$ $y=0.4138$ $u(u')=0.2624$ $v=0.3526$ $v'=0.5289$

CCT: $T_c=2697K$ ($duv=0.00101$)

Color Ratio: $R=0.263$ $G=0.711$ $B=0.026$

Peak Wavelength: 620.8nm

Half Bandwidth: 142.8nm

Dominant Wavelength: 583.9nm

Color Purity: 0.629

Central Wave: 609.4nm

Gravity Wave: 613.3nm

CRI: $R_a=92.0$, $avgR(1\sim14)=89.3$, $avgR(1\sim15)=89.1$

TM30: $R_f=89$, $R_g=96$

GAI: $GAI_BB_8=91.8$, $GAI_BB_15=100.5$, $GAI_EES=44.5$

$R1=92$

$R2=97$

$R3=98$

$R4=91$

$R5=92$

$R6=97$

$R7=89$

$R8=78$

$R9=55$

$R10=93$

$R11=92$

$R12=81$

$R13=94$

$R14=100$

$R15=87$

Color Quality Scale: $Q_a=90.1$, $Q_f=92.4$, $Q_p=91.6$, $Q_g=92.3$

$Q1=86$

$Q2=94$

$Q3=91$

$Q4=88$

$Q5=88$

$Q6=90$

$Q7=92$

$Q8=93$

$Q9=95$

$Q10=95$

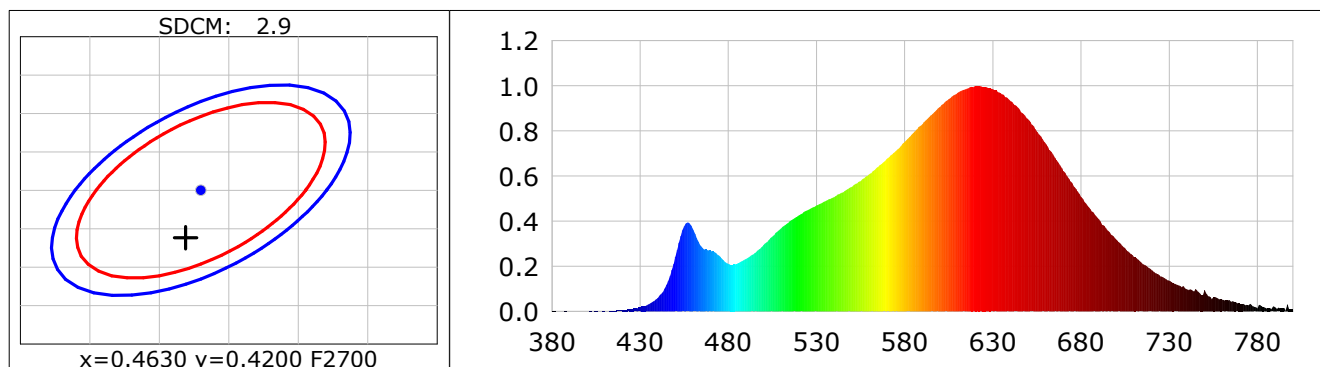
$Q11=94$

$Q12=93$

$Q13=92$

$Q14=86$

$Q15=86$



Photometric Parameters

Luminous Flux: 376.99 lm

Efficiency: 74.82 lm/W

Radiant Power: 1.312 W

Total mains efficacy: 74.82 lm/W

Energy Efficiency Class: G (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 23.999V

Current: 0.2100A

Power: 5.04W

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: 44838 (3554)

CCD Integration Time: 1195.67 ms

Condition: $T_x=28.4^{\circ}C$, $T_i=25.8^{\circ}C$, R.H.:60%

Test Lab: Back Morning

Operator: STY

Test Device: CMS-2S (Plus)

Test Time: 2023-06-19 15:26:31

Inspector: