

Lightsource Test Report

Product Infomation

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

Product Number: 11

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4479$ $y=0.3997$ $u(u')=0.2596$ $v=0.3475$ $v'=0.5213$

CCT: $T_c=2788K$ ($duv=-0.00302$)

Color Ratio: $R=0.252$ $G=0.719$ $B=0.029$

Peak Wavelength: 608.8nm

Half Bandwidth: 115.7nm

Dominant Wavelength: 584.9nm

Color Purity: 0.544

Central Wave: 602.1nm

Gravity Wave: 604.4nm

CRI: $R_a=85.0$, $avgR(1\sim14)=81.4$, $avgR(1\sim15)=81.2$

TM30: $R_f=85$, $R_g=95$

GAI: $GAI_BB_8=102.3$, $GAI_BB_15=110.7$, $GAI_EES=52.5$

$R1=86$

$R2=96$

$R3=92$

$R4=83$

$R5=87$

$R6=95$

$R7=80$

$R8=61$

$R9=20$

$R10=91$

$R11=83$

$R12=79$

$R13=89$

$R14=97$

$R15=78$

Color Quality Scale: $Q_a=84.3$, $Q_f=85.9$, $Q_p=87.3$, $Q_g=92.4$

$Q1=80$

$Q2=93$

$Q3=87$

$Q4=82$

$Q5=84$

$Q6=86$

$Q7=86$

$Q8=86$

$Q9=94$

$Q10=92$

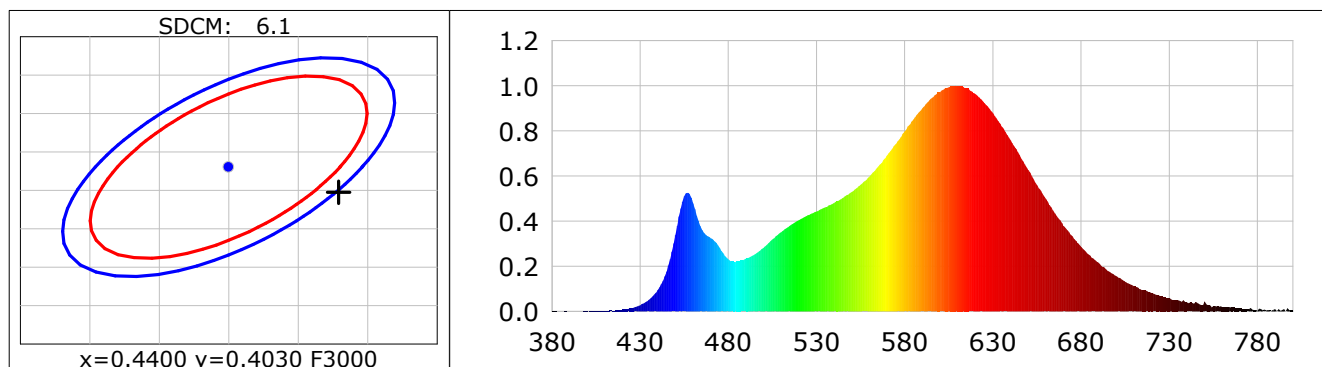
$Q11=88$

$Q12=85$

$Q13=84$

$Q14=76$

$Q15=77$



Photometric Parameters

Luminous Flux: 613.72 lm

Efficiency: 79.57 lm/W

Radiant Power: 1.929 W

Total mains efficacy: 79.57 lm/W

Energy Efficiency Class: G (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.000V

Current: 0.3214A

Power: 7.71W

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: 45069 (3391)

CCD Integration Time: 677.80 ms

Condition: $T_x=28.3^{\circ}C$, $T_i=25.6^{\circ}C$, R.H.:60%

Test Lab: Back Morning

Operator: STY

Test Device: CMS-2S (Plus)

Test Time: 2023-06-19 16:06:05

Inspector: