

Lightsource Test Report

Product Infomation

Product Type: 12V 10mm 16703-60灯RGB-G

Product Number: 3

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.1619$ $y=0.7205$ $u(u')=0.0572$ $v=0.3818$ $v'=0.5727$

CCT: $T_c=7982K$ ($duv=0.15922$)

Color Ratio: $R=0.003$ $G=0.972$ $B=0.024$

Peak Wavelength: 518.4nm

Half Bandwidth: 32.6nm

Dominant Wavelength: 525.1nm

Color Purity: 0.786

Central Wave: 520.3nm

Gravity Wave: 519.6nm

CRI: $R_a=-23.5$, $avgR(1\sim14)=-55.1$, $avgR(1\sim15)=-53.5$

TM30: $R_f=2$, $R_g=9$

GAI: $GAI_BB_8=0.7$, $GAI_BB_15=1.1$, $GAI_EES=0.8$

$R1=-34$

$R2=-8$

$R3=-23$

$R4=-65$

$R5=-9$

$R6=-14$

$R7=-5$

$R8=-30$

$R9=-354$

$R10=-104$

$R11=-93$

$R12=-30$

$R13=-40$

$R14=39$

$R15=-32$

Color Quality Scale: $Q_a=0.3$, $Q_f=0.7$, $Q_p=0.0$, $Q_g=5.3$

$Q1=2$

$Q2=4$

$Q3=18$

$Q4=37$

$Q5=22$

$Q6=1$

$Q7=0$

$Q8=0$

$Q9=0$

$Q10=0$

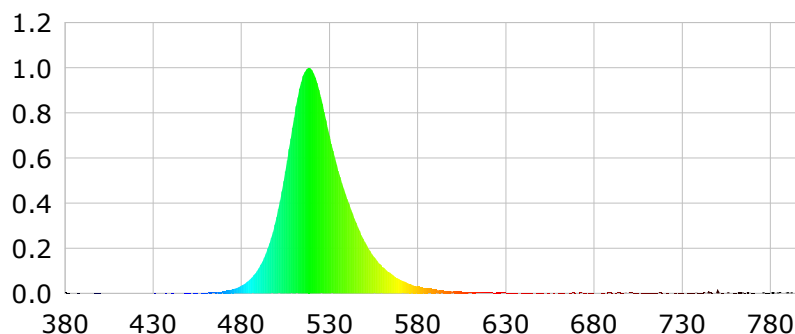
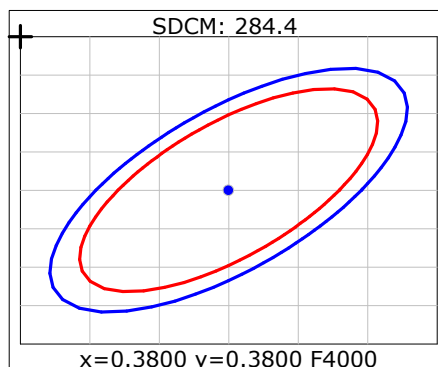
$Q11=0$

$Q12=0$

$Q13=0$

$Q14=0$

$Q15=0$



Photometric Parameters

Luminous Flux: 228.74 lm

Efficiency: 44.30 lm/W

Radiant Power: 0.487 W

Total mains efficacy: 44.30 lm/W

Energy Efficiency Class: G (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 11.999V

Current: 0.4304A

Power: 5.16W

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: 46357 (3377)

CCD Integration Time: 572.03 ms

Condition: $T_x:28.7^{\circ}C$, $T_i:26.5^{\circ}C$, R.H.:60%

Test Lab: Back Morning

Operator: STY

Test Device: CMS-2S (Plus)

Test Time: 2023-06-19 13:45:04

Inspector: