

Lightsource Test Report

Product Infomation

Product Type: 24V 10mm 2835-192灯-W

Product Number: 8

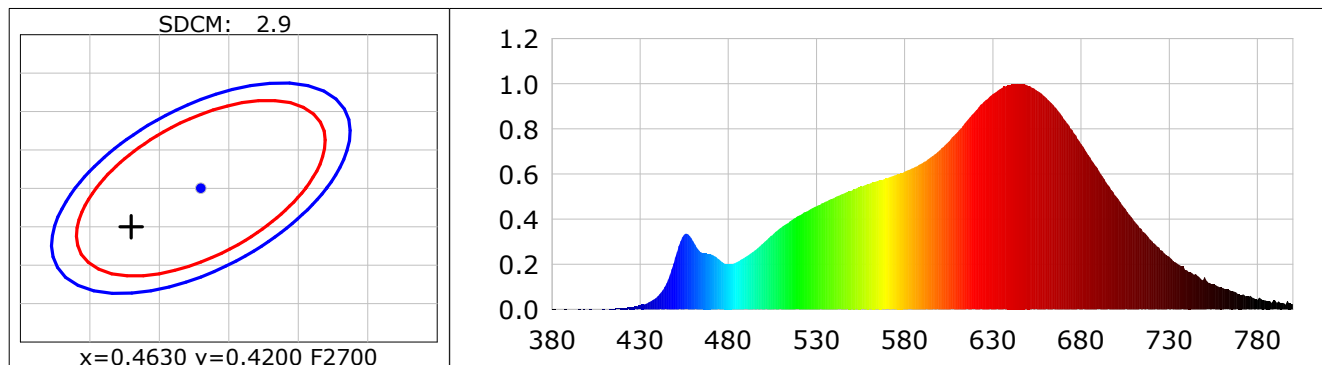
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4580$ $y=0.4150$ $u(u')=0.2594$ $v=0.3525$ $v'=0.5287$
 CCT: $T_c=2760K$ ($duv=0.00178$) Color Ratio: $R=0.267$ $G=0.706$ $B=0.027$
 Peak Wavelength: 643.8nm Half Bandwidth: 158.7nm
 Dominant Wavelength: 583.3nm Color Purity: 0.621
 Central Wave: 620.5nm Gravity Wave: 628.3nm
 CRI: $R_a=97.4$, $avgR(1\sim14)=96.3$, $avgR(1\sim15)=96.4$ TM30: $R_f=93$, $R_g=99$
 GAI: $GAI_BB_8=93.8$, $GAI_BB_15=100.7$, $GAI_EES=47.3$

R1 =97	R2 =99	R3 =96	R4 =97	R5 =98	R6 =99	R7 =97	R8 =96
R9 =96	R10=99	R11=96	R12=85	R13=98	R14=97	R15=97	

Color Quality Scale: $Q_a=93.4$, $Q_f=95.2$, $Q_p=96.0$, $Q_g=96.6$

Q1 =90	Q2 =95	Q3 =95	Q4 =94	Q5 =94	Q6 =94	Q7 =96	Q8 =95
Q9 =92	Q10=91	Q11=93	Q12=93	Q13=94	Q14=97	Q15=94	



Photometric Parameters

Luminous Flux: 519.47 lm Efficiency: 65.39 lm/W Radiant Power: 2.094 W
 Total mains efficacy: 65.39 lm/W Energy Efficiency Class: G (EU 2019/2015)
 Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.000V Current: 0.3310A Power: 7.94W
 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: 44881 (3476) CCD Integration Time: 839.99 ms

Condition: $T_x:28.6^{\circ}C$, $T_i:25.9^{\circ}C$, R.H.:60%
 Test Lab: Back Morning
 Operator: STY

Test Device: CMS-2S (Plus)
 Test Time: 2023-06-19 14:55:04
 Inspector: