

Lightsource Test Report

Product Infomation

Product Type: 24V 10mm 2835-144灯 双色温-W

Product Number: 9

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4603$ $y=0.4136$ $u(u')=0.2615$ $v=0.3524$ $v'=0.5285$

CCT: $T_c=2717K$ ($duv=0.00105$)

Color Ratio: $R=0.261$ $G=0.717$ $B=0.022$

Peak Wavelength: 630.2nm

Half Bandwidth: 157.4nm

Dominant Wavelength: 583.8nm

Color Purity: 0.623

Central Wave: 611.7nm

Gravity Wave: 617.8nm

CRI: $R_a=92.8$, $avgR(1\sim14)=89.9$, $avgR(1\sim15)=90.0$

TM30: $R_f=92$, $R_g=99$

GAI: $GAI_BB_8=95.4$, $GAI_BB_15=102.1$, $GAI_EES=46.9$

$R1=93$

$R2=95$

$R3=96$

$R4=93$

$R5=92$

$R6=94$

$R7=94$

$R8=86$

$R9=67$

$R10=87$

$R11=93$

$R12=79$

$R13=93$

$R14=97$

$R15=90$

Color Quality Scale: $Q_a=91.1$, $Q_f=93.1$, $Q_p=93.4$, $Q_g=95.7$

$Q1=90$

$Q2=96$

$Q3=88$

$Q4=88$

$Q5=91$

$Q6=91$

$Q7=91$

$Q8=93$

$Q9=96$

$Q10=93$

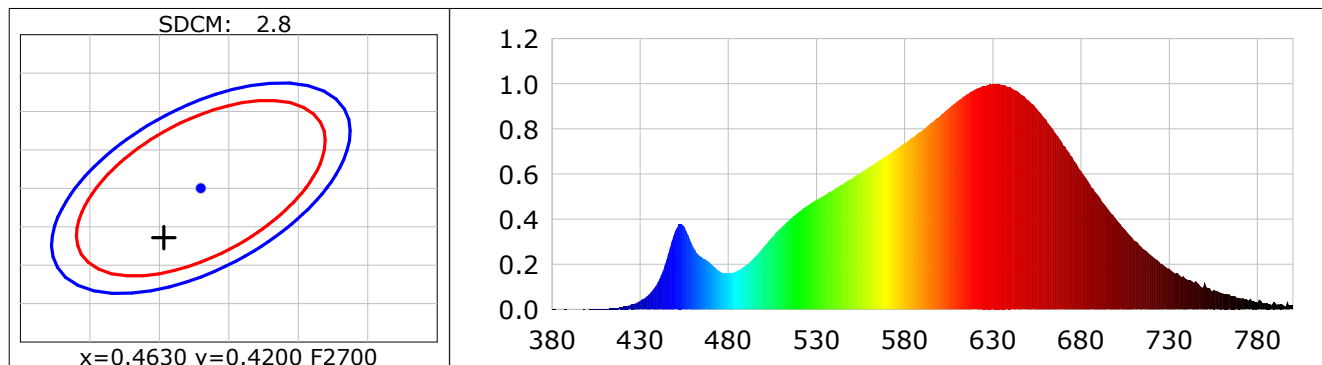
$Q11=93$

$Q12=93$

$Q13=93$

$Q14=89$

$Q15=89$



Photometric Parameters

Luminous Flux: 441.37 lm

Efficiency: 72.70 lm/W

Radiant Power: 1.608 W

Total mains efficacy: 72.70 lm/W

Energy Efficiency Class: G (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 23.999V

Current: 0.2530A

Power: 6.07W

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: 44976 (3535)

CCD Integration Time: 1069.91 ms

Condition: $T_x=28.5^{\circ}C$, $T_i=25.9^{\circ}C$, R.H.:60%

Test Lab: Back Morning

Operator: STY

Test Device: CMS-2S (Plus)

Test Time: 2023-06-19 15:04:32

Inspector: