

Lightsource Test Report

Product Information

Product Category: 2835 LED Strip
 Product Spec: 6500K R90 S5 1M

Product Type: 24V 240LED/M 11W/M
 Submitted Unit: QC

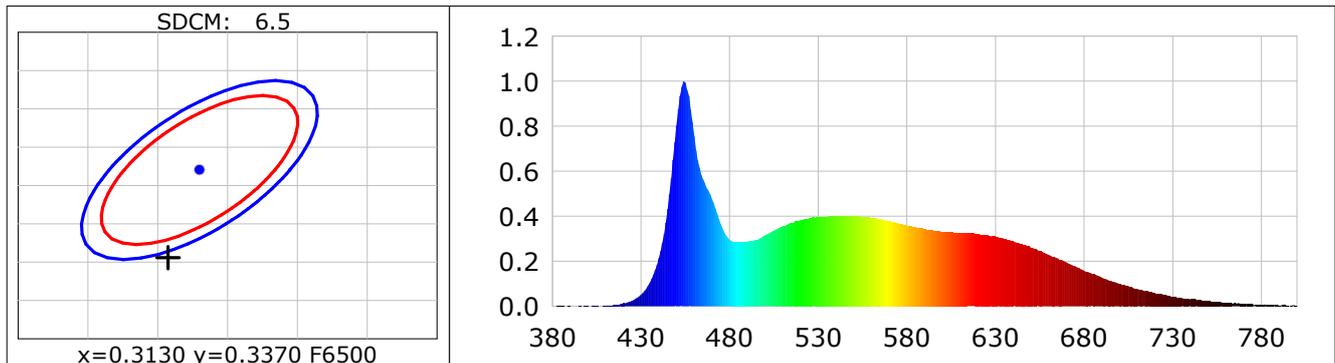
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3107$ $y=0.3256$ $u(u')=0.1978$ $v=0.3108$ $v'=0.4662$
 CCT: $T_c=6644K$ ($duv=0.00243$) Color Ratio: $R=0.149$ $G=0.783$ $B=0.068$
 Peak Wavelength: 454.3nm Half Bandwidth: 22.9nm
 Dominant Wavelength: 487.2nm Color Purity: 0.082
 Central Wave: 457.5nm Gravity Wave: 456.3nm
 CRI: $R_a=92.9$ TM30: $R_f=88$, $R_g=96$
 GAI: $GAI_BB_8=96.0$, $GAI_BB_15=101.3$, $GAI_EES=94.2$

R1 =94	R2 =98	R3 =96	R4 =90	R5 =91	R6 =92	R7 =93	R8 =90
R9 =78	R10=92	R11=90	R12=62	R13=96	R14=98	R15=93	

Color Quality Scale: $Q_a=89.7$, $Q_f=89.3$, $Q_p=89.8$, $Q_g=96.5$

Q1 =89	Q2 =98	Q3 =86	Q4 =79	Q5 =83	Q6 =86	Q7 =93	Q8 =95
Q9 =98	Q10=95	Q11=93	Q12=93	Q13=94	Q14=93	Q15=92	



Photometric Parameters

Luminous Flux: 1450.3 lm Efficiency: 139.46 lm/W Radiant Power: 5.197 W
 Total mains efficacy: 139.46 lm/W Energy Efficiency Class: D (EU 2019/2015)
 Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.001V Current: 0.4333A Power: 10.40W
 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: 44551 (3855) CCD Integration Time: 265.40 ms

Condition: $T_x:26.6^{\circ}C$, $T_i:23.2^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2023-03-30 14:10:42
 Inspector: