

Lightsource Test Report

Product Information

Product Category: 2835 LED Strip
 Product Spec: 4000K R90 S5 1M

Product Type: 24V 240LED/M 15W/M
 Submitted Unit: QC

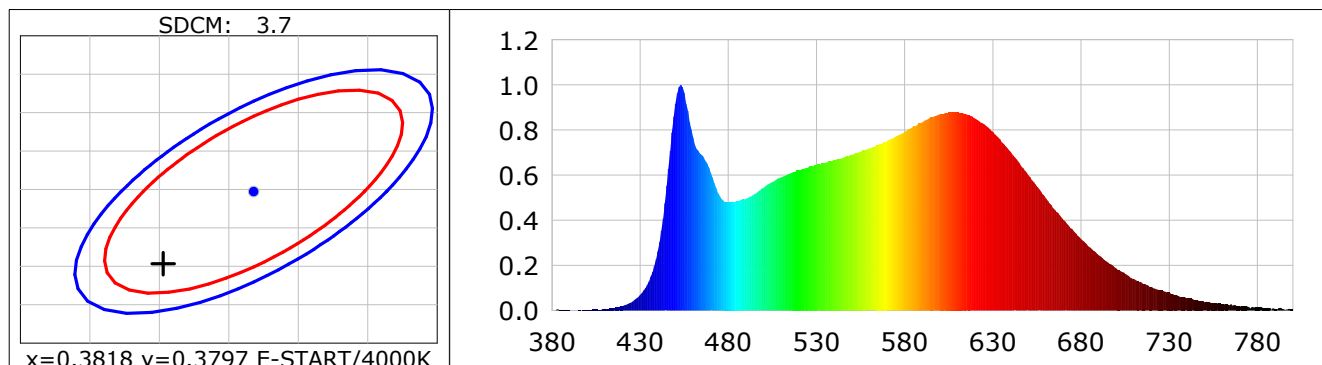
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3753$ $y=0.3703$ $u(u')=0.2243$ $v=0.3320$ $v'=0.4979$
 CCT: $T_c=4098K$ ($duv=-0.00152$) Color Ratio: $R=0.198$ $G=0.752$ $B=0.050$
 Peak Wavelength: 453.1nm Half Bandwidth: 31.4nm
 Dominant Wavelength: 579.6nm Color Purity: 0.238
 Central Wave: 460.0nm Gravity Wave: 457.7nm
 CRI: $R_a=92.4$ TM30: $R_f=89$, $R_g=96$
 GAI: $GAI_BB_8=97.0$, $GAI_BB_15=102.7$, $GAI_EES=78.0$

R1 =95	R2 =99	R3 =96	R4 =91	R5 =94	R6 =95	R7 =89	R8 =81
R9 =59	R10=99	R11=93	R12=75	R13=97	R14=98	R15=91	

Color Quality Scale: $Q_a=91.5$, $Q_f=91.5$, $Q_p=91.1$, $Q_g=95.6$

Q1 =86	Q2 =96	Q3 =92	Q4 =87	Q5 =89	Q6 =91	Q7 =94	Q8 =95
Q9 =98	Q10=99	Q11=96	Q12=95	Q13=93	Q14=88	Q15=88	



Photometric Parameters

Luminous Flux: 1993.7 lm Efficiency: 136.07 lm/W Radiant Power: 6.631 W
 Total mains efficacy: 136.07 lm/W Energy Efficiency Class: D (EU 2019/2015)
 Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.001V Current: 0.6105A Power: 14.65W
 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, 4π
 Max of Signal: 51427 (4526) CCD Integration Time: 430.57 ms

Condition: $T_x:29.1^{\circ}C$, $T_i:25.9^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2023-03-20 17:45:32
 Inspector: