

Lightsource Test Report

Product Information

Product Category: 2835 LED Strip
 Product Spec: 3000K CRI90 IP63
 Submitted Unit: QC1

Product Type: 24V 240LED 11W IP63 1M
 Product Number: 1

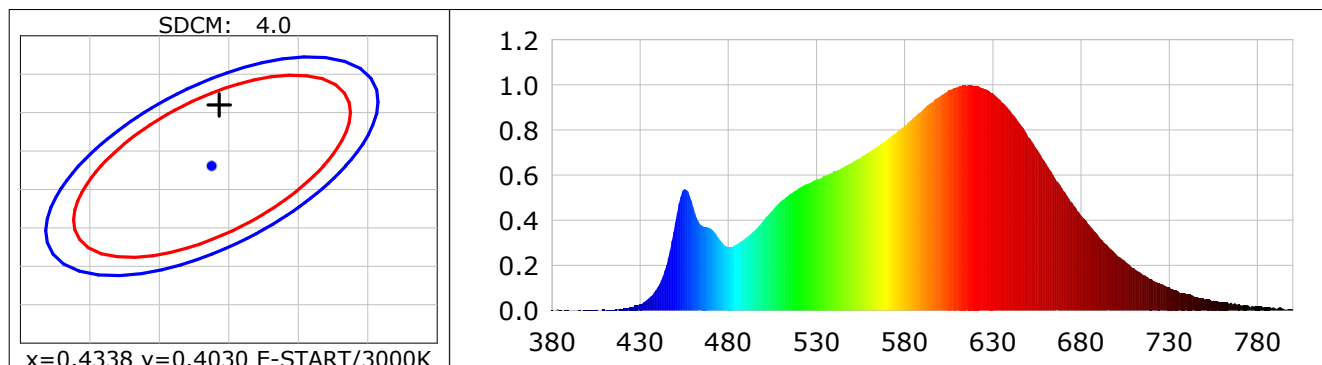
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4343$ $y=0.4110$ $u(u')=0.2460$ $v=0.3491$ $v'=0.5237$
 CCT: $T_c=3100K$ ($duv=0.00313$) Color Ratio: $R=0.234$ $G=0.735$ $B=0.031$
 Peak Wavelength: 617.1nm Half Bandwidth: 160.4nm
 Dominant Wavelength: 581.3nm Color Purity: 0.538
 Central Wave: 592.6nm Gravity Wave: 600.7nm
 CRI: $R_a=91.5$ TM30: $R_f=89$, $R_g=95$
 GAI: $GAI_BB_8=86.7$, $GAI_BB_15=94.9$, $GAI_EES=52.1$

R1 =91	R2 =96	R3 =99	R4 =90	R5 =91	R6 =96	R7 =90	R8 =78
R9 =50	R10=91	R11=92	R12=76	R13=93	R14=100	R15=86	

Color Quality Scale: $Q_a=90.0$, $Q_f=91.5$, $Q_p=90.3$, $Q_g=91.6$

Q1 =85	Q2 =94	Q3 =92	Q4 =88	Q5 =89	Q6 =89	Q7 =91	Q8 =93
Q9 =94	Q10=92	Q11=94	Q12=94	Q13=93	Q14=85	Q15=86	



Photometric Parameters

Luminous Flux: 1436.0 lm Efficiency: 129.23 lm/W Radiant Power: 4.691 W
 Total mains efficacy: 129.23 lm/W Energy Efficiency Class: E (EU 2019/2015)
 Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.001V Current: 0.4630A Power: 11.11W
 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: 45186 (4301) CCD Integration Time: 544.59 ms

Condition: $T_x:28.0^{\circ}C$, $T_i:24.6^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2023-04-10 16:42:21
 Inspector: