

Lightsource Test Report

Product Information

Product Category: 2835 LED Strip
 Product Spec: 4000K R90 S5
 Submitted Unit: QC

Product Type: 24V 240LED 11W/M IP20 1M
 Product Number: 2

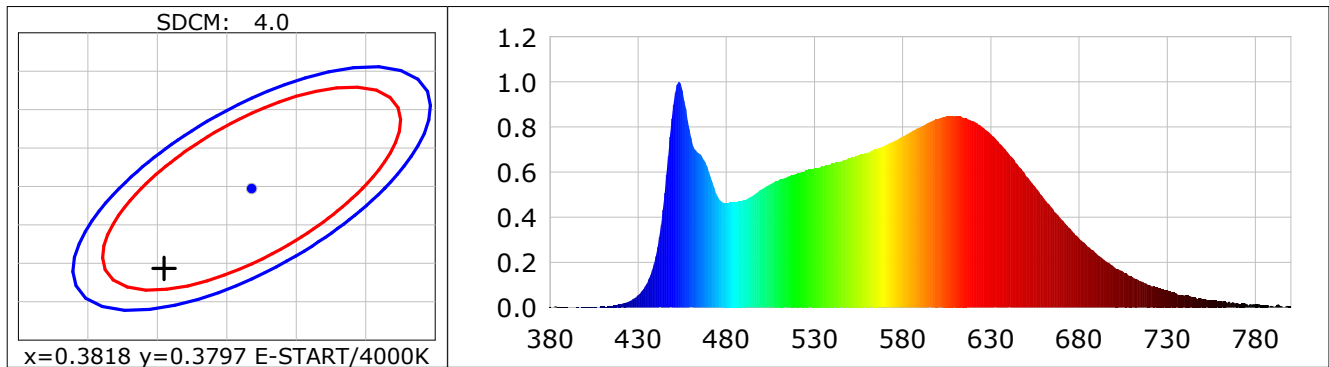
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3755$ $y=0.3693$ $u(u')=0.2248$ $v=0.3317$ $v'=0.4975$
 CCT: $T_c=4084K$ ($duv=-0.00206$) Color Ratio: $R=0.200$ $G=0.749$ $B=0.051$
 Peak Wavelength: 453.2nm Half Bandwidth: 29.7nm
 Dominant Wavelength: 580.0nm Color Purity: 0.235
 Central Wave: 459.7nm Gravity Wave: 457.5nm
 CRI: $R_a=92.5$ TM30: $R_f=88$, $R_g=96$
 GAI: $GAI_BB_8=97.9$, $GAI_BB_15=103.6$, $GAI_EES=78.5$

R1 =95	R2 =99	R3 =95	R4 =91	R5 =94	R6 =95	R7 =89	R8 =82
R9 =62	R10=99	R11=93	R12=74	R13=98	R14=98	R15=92	

Color Quality Scale: $Q_a=91.6$, $Q_f=91.5$, $Q_p=91.4$, $Q_g=95.9$

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



Photometric Parameters

Luminous Flux: 1486.3 lm Efficiency: 137.23 lm/W Radiant Power: 4.961 W
 Total mains efficacy: 137.23 lm/W Energy Efficiency Class: D (EU 2019/2015)
 Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.000V Current: 0.4513A Power: 10.83W
 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: 46086 (3857) CCD Integration Time: 496.55 ms

Condition: $T_x:26.2^{\circ}C$, $T_i:22.8^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2023-03-28 16:54:44
 Inspector: