

Lightsource Test Report

Product Information

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

Product Type: 24V 240LED 20W/M IP20 1M
 Submitted Unit: QC

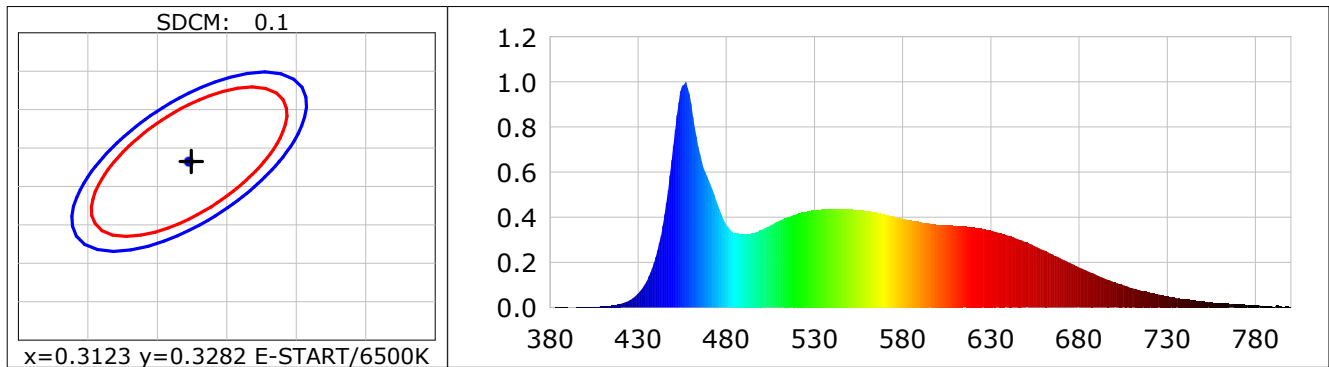
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3125$ $y=0.3282$ $u(u')=0.1979$ $v=0.3119$ $v'=0.4679$
 CCT: $T_c=6526K$ ($duv=0.00292$) Color Ratio: $R=0.151$ $G=0.779$ $B=0.071$
 Peak Wavelength: 456.8nm Half Bandwidth: 26.5nm
 Dominant Wavelength: 488.5nm Color Purity: 0.074
 Central Wave: 459.9nm Gravity Wave: 458.9nm
 CRI: $R_a=92.9$ TM30: $R_f=87$, $R_g=95$
 GAI: $GAI_BB_8=95.2$, $GAI_BB_15=100.4$, $GAI_EES=93.0$

R1 =94	R2 =99	R3 =97	R4 =88	R5 =91	R6 =93	R7 =92	R8 =89
R9 =79	R10=95	R11=89	R12=64	R13=97	R14=99	R15=92	

Color Quality Scale: $Q_a=89.9$, $Q_f=89.7$, $Q_p=89.6$, $Q_g=95.8$

Q1 =87	Q2 =96	Q3 =88	Q4 =81	Q5 =83	Q6 =85	Q7 =92	Q8 =95
Q9 =99	Q10=97	Q11=94	Q12=95	Q13=95	Q14=93	Q15=92	



Photometric Parameters

Luminous Flux: 2671.6 lm Efficiency: 130.93 lm/W Radiant Power: 9.600 W
 Total mains efficacy: 130.93 lm/W Energy Efficiency Class: E (EU 2019/2015)
 Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.007V Current: 0.8500A Power: 20.41W
 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: 49587 (3690) CCD Integration Time: 177.38 ms

Condition: $T_x:27.1^{\circ}C$, $T_i:25.3^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2023-03-18 09:34:51
 Inspector: