

## Lightsource Test Report

### Product Information

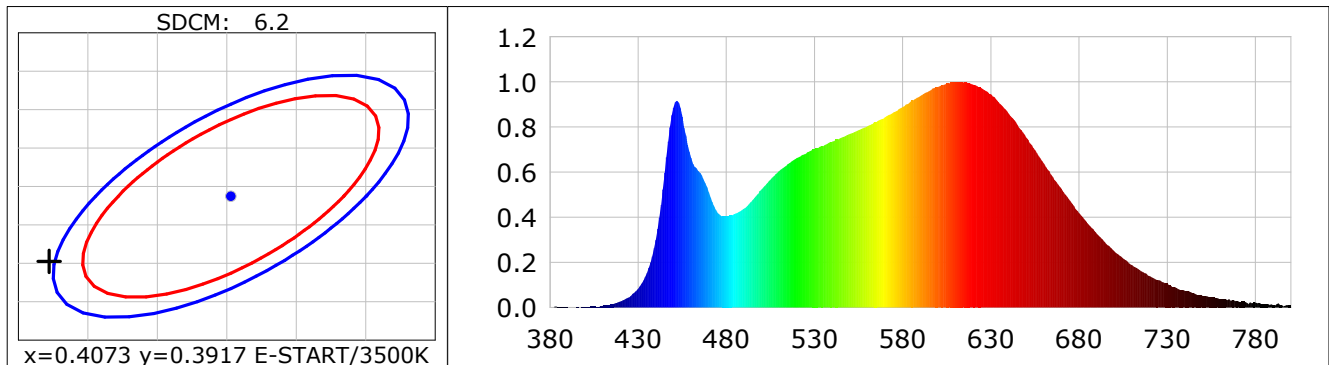
Product Category: 2835 LED Strip  
 Product Spec: 4000K R90 S5 1M  
 Submitted Unit: QC

Product Type: 24V 240LED/M 20W/M IP63  
 Product Number: 14

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3942$   $y=0.3832$   $u(u')=0.2315$   $v=0.3376$   $v'=0.5065$   
 CCT:  $T_c=3695K$  ( $duv=-0.00074$ ) Color Ratio:  $R=0.209$   $G=0.751$   $B=0.041$   
 Peak Wavelength: 613.1nm Half Bandwidth: 174.8nm  
 Dominant Wavelength: 580.5nm Color Purity: 0.333  
 Central Wave: 584.8nm Gravity Wave: 594.2nm  
 CRI:  $R_a=92.7$  TM30:  $R_f=90$ ,  $R_g=97$   
 GAI:  $GAI\_BB\_8=97.8$ ,  $GAI\_BB\_15=103.5$ ,  $GAI\_EES=71.9$

R1 =93	R2 =97	R3 =98	R4 =92	R5 =93	R6 =95	R7 =91	R8 =82
R9 =58	R10=92	R11=93	R12=76	R13=95	R14=99	R15=90	
Color Quality Scale: $Q_a=91.7$ , $Q_f=91.7$ , $Q_p=91.8$ , $Q_g=96.7$							
Q1 =89	Q2 =97	Q3 =89	Q4 =87	Q5 =90	Q6 =92	Q7 =94	Q8 =95
Q9 =99	Q10=96	Q11=94	Q12=94	Q13=93	Q14=88	Q15=89	



### Photometric Parameters

Luminous Flux: 2483.7 lm Efficiency: 127.29 lm/W Radiant Power: 8.047 W  
 Total mains efficacy: 127.29 lm/W Energy Efficiency Class: E (EU 2019/2015)  
 Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 24.000V Current: 0.8130A Power: 19.51W  
 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: 47217 (4611) CCD Integration Time: 377.99 ms

Condition:  $T_x:29.3^{\circ}C$ ,  $T_i:26.1^{\circ}C$ , R.H.:60%  
 Test Lab:  
 Operator:

Test Device: CMS-2S (Plus)  
 Test Time: 2023-03-20 19:21:58  
 Inspector: