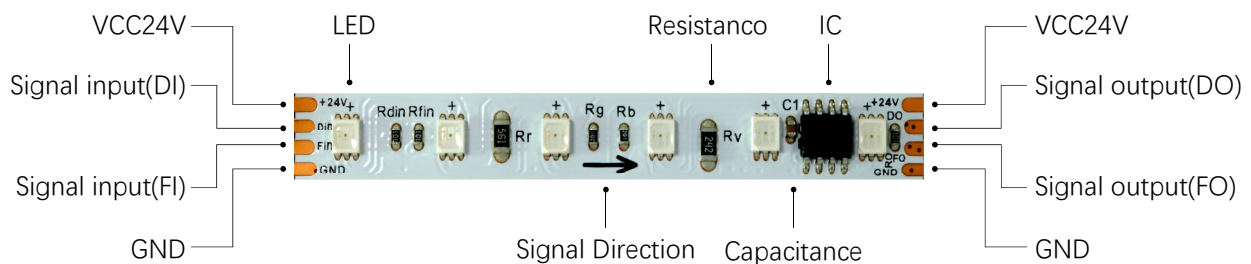


TM1934

Digital LED Strip with Dual Signal



Voltage	DC24V
Watts	15.54W
Pixel	16pix/m
LEDs	96LEDs
LED	2835RGB
Working Hours	30000h
Working Temperature	-25°C ~ +45°C
Cutting Point	100mm
IC	external, outboard
IC Type	TM1934
PCB Width	8mm

- Advantages:
 - 2unce PCB board with double cooper layer
 - Flexible PCB material, every 6LEDs cab be cut
 - Led strip with dual signal ,one pixels no work , no affect the next one working
 - Use Brand LEDs and Chips, working good and stable
- Applications:
 - Widely used for decoration use, hotels, clubs, shopping malls, night bar, disco
 - Architectural decorative lighting, boutique atmosphere lighting
 - Extensively applied in Backlighting, concealed lighting, channel letter lighting
 - Emergency & security lighting, advertisement sign lighting
 - Decorative lights for holiday, event, show exhibition
 - Applicable for automobile and bicycle decoration, border or contour lighting

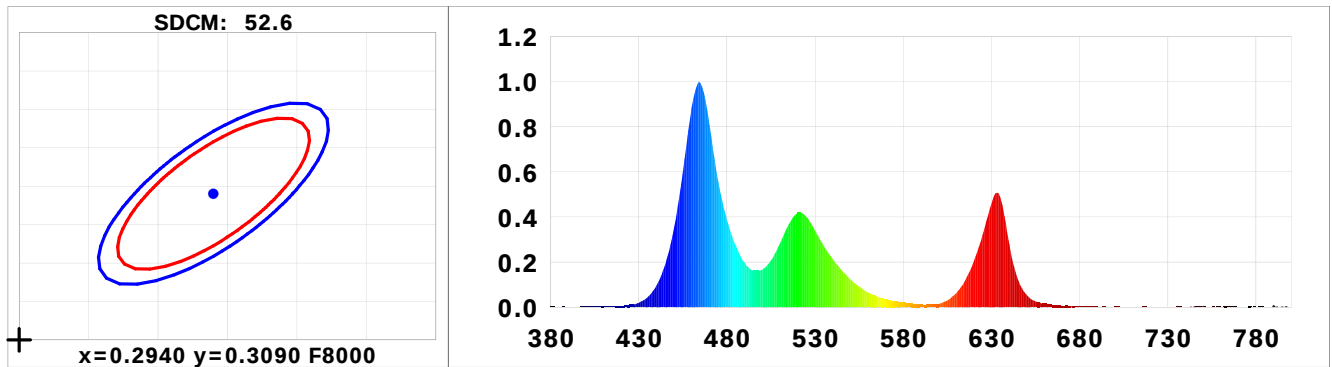
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.2218$ $y=0.2430$ $u(u')=0.1622$ $v=0.2664$ $v'=0.3997$
 CCT: $T_c=100000K$ ($duv=0.01849$) Color Ratio: $R=0.167$ $G=0.687$ $B=0.146$
 Peak Wavelength: 464.1nm Half Bandwidth: 23.4nm
 Dominant Wavelength: 480.3nm Color Purity: 0.458
 Central Wave: 464.8nm Gravity Wave: 464.6nm
 CRI: $R_a=66.3$, $avgR(1\sim14)=50.0$, $avgR(1\sim15)=49.2$ TM30: $R_f=60$, $R_g=95$
 GAI: $GAI_BB_8=116.3$, $GAI_BB_15=121.2$, $GAI_EES=126.5$

R1 =61	R2 =69	R3 =80	R4 =79	R5 =80	R6 =71	R7 =63	R8 =28
R9 =-147	R10=31	R11=79	R12=64	R13=56	R14=86	R15=37	

 Color Quality Scale: $Q_a=62.7$, $Q_f=56.4$, $Q_p=73.2$, $Q_g=113.7$

Q1 =63	Q2 =67	Q3 =82	Q4 =79	Q5 =90	Q6 =90	Q7 =89	Q8 =84
Q9 =75	Q10=54	Q11=38	Q12=29	Q13=41	Q14=79	Q15=63	



Photometric Parameters

Luminous Flux: 405.77 lm Efficiency: 21.64 lm/W Radiant Power: 1.865 W
 Total mains efficacy: 21.64 lm/W Energy Efficiency Class: G (EU 2019/2015)
 Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.000V Current: 0.7814A Power: 18.75W
 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, 4"
Max of Signal: 44817 (3137)	CCD Integration Time: 204.88 ms

Condition: $T_x=28.6^{\circ}C$, $T_i=26.3^{\circ}C$, R.H.:60%
 Test Lab: Back Morning
 Operator: STY

Test Device: CMS-2S (Plus)
 Test Time: 2023-06-25 15:53:13
 Inspector:

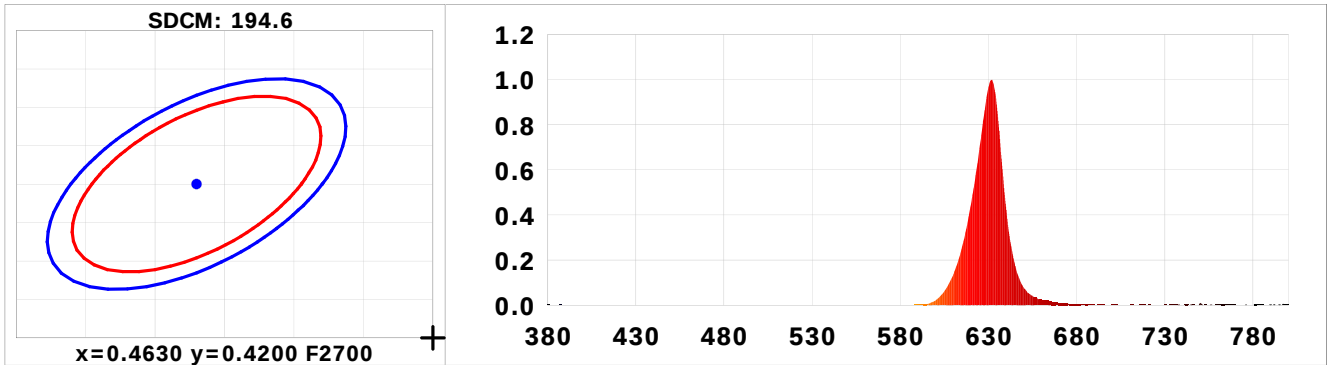
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.6955$ $y=0.3011$ $u(u')=0.5327$ $v=0.3459$ $v'=0.5189$
 CCT: $T_c=1000K$ ($duv=-0.08497$) Color Ratio: $R=0.982$ $G=0.017$ $B=0.001$
 Peak Wavelength: 631.7nm Half Bandwidth: 17.9nm
 Dominant Wavelength: 624.1nm Color Purity: 0.990
 Central Wave: 630.1nm Gravity Wave: 630.7nm
 CRI: $R_a=13.2$, $avgR(1\sim14)=7.0$, $avgR(1\sim15)=3.8$ TM30: $R_f=7$, $R_g=-1$
 GAI: $GAI_BB_8=25.1$, $GAI_BB_15=26.1$, $GAI_EES=0.2$

$R1=6$	$R2=79$	$R3=31$	$R4=-22$	$R5=6$	$R6=94$	$R7=-6$	$R8=-82$
$R9=-242$	$R10=73$	$R11=-5$	$R12=75$	$R13=30$	$R14=60$	$R15=-41$	

 Color Quality Scale: $Q_a=-1.\$$, $Q_f=-1.\$$, $Q_p=-1.\$$, $Q_g=-1.\$$

$Q1=7$	$Q2=13$	$Q3=18$	$Q4=14$	$Q5=12$	$Q6=11$	$Q7=5$	$Q8=1$
$Q9=8$	$Q10=0$	$Q11=0$	$Q12=0$	$Q13=0$	$Q14=0$	$Q15=6$	



Photometric Parameters

Luminous Flux: 79.631 lm Efficiency: 9.04 lm/W Radiant Power: 0.419 W
 Total mains efficacy: 9.04 lm/W Energy Efficiency Class: G (EU 2019/2015)
 Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.000V Current: 0.3672A Power: 8.81W
 Power Factor: 1.0000 Frequency: 0.00Hz

Test Information

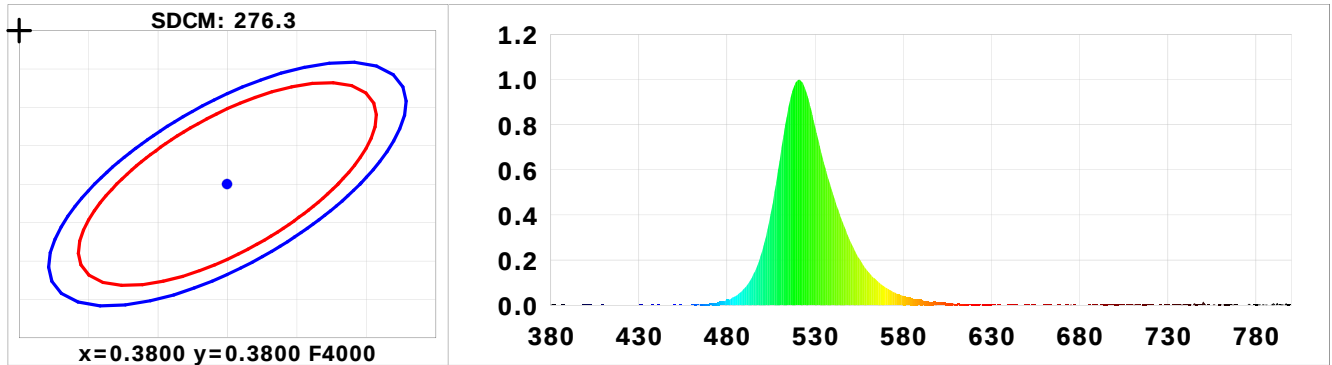
Scan Range: 380~800:1nm	Photometric Method: sphere-spectroradiometer
Stabilization Time: 1 Min ALC.: 1.0000	Photometric Condition: Sphere diameter: 1.50m, 4°
Max of Signal: 44645 (3364)	CCD Integration Time: 540.47 ms

Condition: $T_x=28.6^{\circ}C$, $T_i=26.3^{\circ}C$, R.H.:60%
 Test Lab: Back Morning
 Operator: STY

Test Device: CMS-2S (Plus)
 Test Time: 2023-06-25 15:54:55
 Inspector:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.1807$ $y=0.7256$ $u(u')=0.0637$ $v=0.3837$ $v'=0.5756$
 CCT: $T_c=7648K$ ($duv=0.15459$) Color Ratio: $R=0.004$ $G=0.980$ $B=0.016$
 Peak Wavelength: 520.7nm Half Bandwidth: 32.9nm
 Dominant Wavelength: 529.1nm Color Purity: 0.823
 Central Wave: 523.4nm Gravity Wave: 522.6nm
 CRI: $R_a=-23.5$, $avgR(1\sim14)=-55.4$, $avgR(1\sim15)=-53.9$ TM30: $R_f=2$, $R_g=9$
 GAI: $GAI_BB_8=0.6$, $GAI_BB_15=0.9$, $GAI_EES=0.7$
 R1 = -34 R2 = -8 R3 = -22 R4 = -65 R5 = -10 R6 = -13 R7 = -4 R8 = -31
 R9 = -357 R10 = -105 R11 = -95 R12 = -31 R13 = -39 R14 = 39 R15 = -33
 Color Quality Scale: $Q_a=0.3$, $Q_f=0.6$, $Q_p=0.0$, $Q_g=5.1$
 Q1 = 2 Q2 = 3 Q3 = 17 Q4 = 37 Q5 = 23 Q6 = 1 Q7 = 0 Q8 = 0
 Q9 = 0 Q10 = 0 Q11 = 0 Q12 = 0 Q13 = 0 Q14 = 0 Q15 = 0



Photometric Parameters

Luminous Flux: 282.75 lm Efficiency: 31.99 lm/W Radiant Power: 0.569 W
 Total mains efficacy: 31.99 lm/W Energy Efficiency Class: G (EU 2019/2015)
 Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.000V Current: 0.3683A Power: 8.84W
 Power Factor: 1.0000 Frequency: 0.00Hz

Test Information

Scan Range: 380~800:1nm
 Stabilization Time: 1 Min ALC.: 1.0000
 Max of Signal: 44600 (3320)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 4°
 CCD Integration Time: 463.11 ms

Condition: $T_x=28.6^{\circ}C$, $T_i=26.3^{\circ}C$, R.H.:60%
 Test Lab: Back Morning
 Operator: STY

Test Device: CMS-2S (Plus)
 Test Time: 2023-06-25 15:56:27
 Inspector:

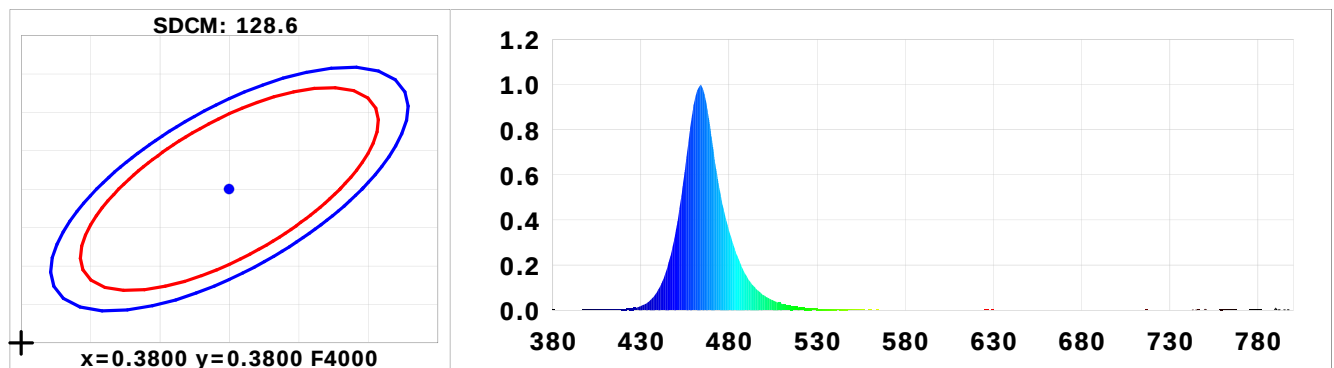
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.1352$ $y=0.0611$ $u(u')=0.1562$ $v=0.1058$ $v'=0.1588$
 CCT: $T_c=100000K$ ($duv=-0.16196$) Color Ratio: $R=0.007$ $G=0.178$ $B=0.815$
 Peak Wavelength: 463.9nm Half Bandwidth: 22.7nm
 Dominant Wavelength: 468.4nm Color Purity: 0.965
 Central Wave: 464.2nm Gravity Wave: 464.1nm
 CRI: $R_a=-46.5$, $avgR(1\sim14)=-78.9$, $avgR(1\sim15)=-73.3$ TM30: $R_f=0$, $R_g=30$
 GAI: $GAI_BB_8=3.5$, $GAI_BB_15=4.5$, $GAI_EES=3.8$

R1 = -11	R2 = -36	R3 = -126	R4 = -79	R5 = 3	R6 = -50	R7 = -41	R8 = -32
R9 = -264	R10 = -209	R11 = -111	R12 = -96	R13 = -28	R14 = -25	R15 = 6	

 Color Quality Scale: $Q_a=7.0$, $Q_f=10.1$, $Q_p=1.2$, $Q_g=24.4$

Q1 = 49	Q2 = 28	Q3 = 7	Q4 = 14	Q5 = 37	Q6 = 64	Q7 = 75	Q8 = 37
Q9 = 0	Q10 = 0	Q11 = 0	Q12 = 0	Q13 = 2	Q14 = 7	Q15 = 40	



Photometric Parameters

Luminous Flux: 69.483 lm Efficiency: 7.83 lm/W Radiant Power: 1.009 W
 Total mains efficacy: 7.83 lm/W Energy Efficiency Class: G (EU 2019/2015)
 Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 24.000V Current: 0.3696A Power: 8.87W
 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, 4°
Max of Signal: 47340 (3131)	CCD Integration Time: 200.96 ms

Condition: $T_x=28.6^{\circ}C$, $T_i=26.3^{\circ}C$, R.H.:60%
 Test Lab: Back Morning
 Operator: STY

Test Device: CMS-2S (Plus)
 Test Time: 2023-06-25 15:57:59
 Inspector: