



ErP LED STRIP SPECIFICATION

24V 4.8W CRI90 2835 80LED/M IP52/67 F

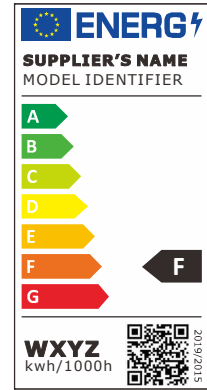
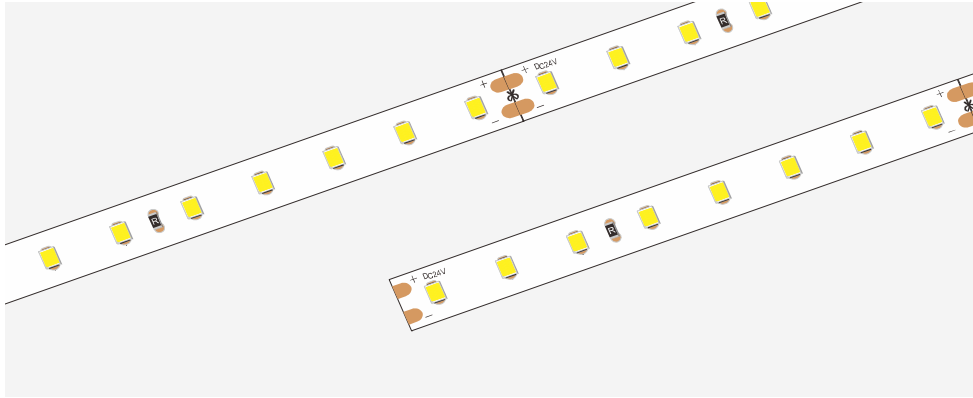


Note: LEDYI may change product specifications and installation guidance without prior notice.

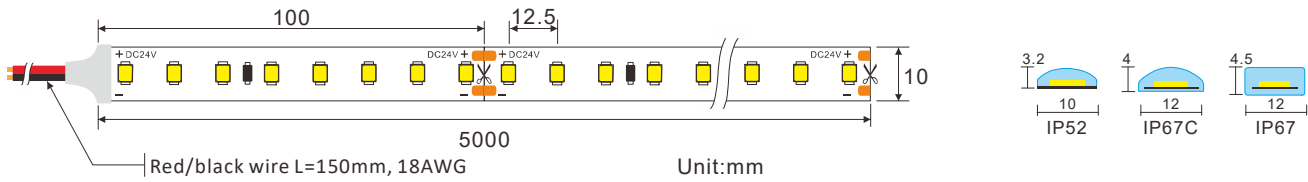
24V 4.8W CRI90 2835 80LED/M IP52/67 F



Part Number: LY80-S2835W27-W24-4.8W-Ra90-IP52-ErP
 W27/W30/W40/W65 → IP67C/IP67



Dimensions & Waterproof



Product Specification

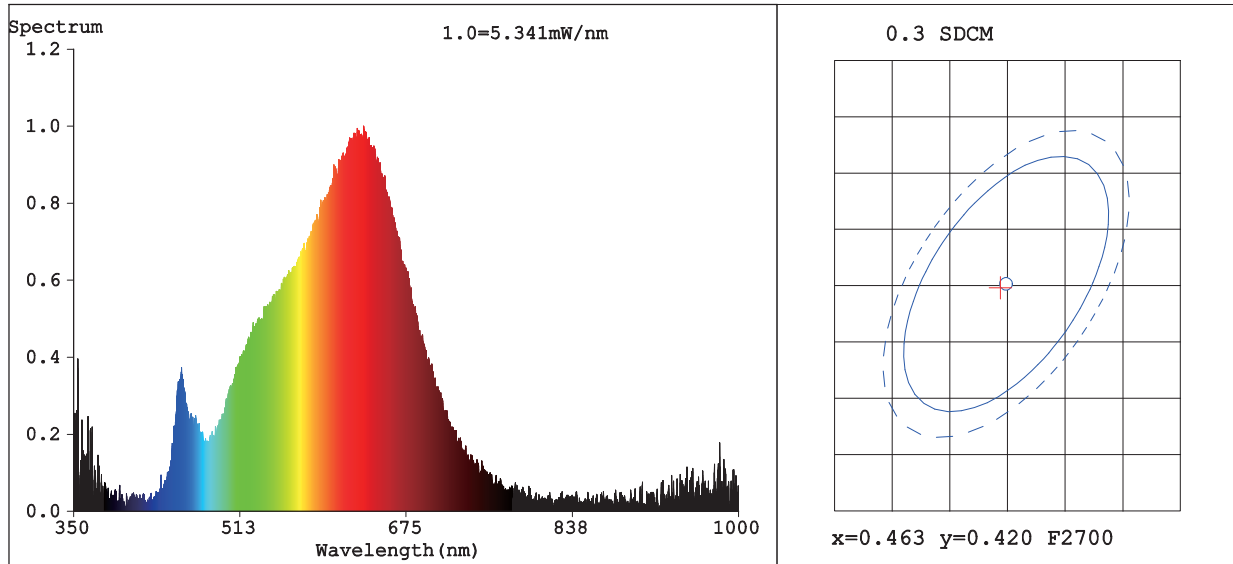
Max.Length	5000mm
Chip Type	2835SMD
Chip Density	80LEDs/m
Step Length	100mm/8LEDs
MacAdam Ellipse	<6
Survival Factor LED	0.9

Voltage(V)	DC24V
Power(W/m)	4.8W
Power(W/0.5m)	2.4W
Beam Angle	120°
Operation Temperature	-20°C~50°C
Lumen Maintenance Factor	0.96

Product Photometrics

CCT	CRI	LM/0.5M	LM/M	LM/W	Energy Efficiency Class	IP Grade
2700K	90	247.20	494.40	103	F	52/67C/67
3000K	90	247.20	494.40	103	F	52/67C/67
4000K	90	276.00	552.00	115	F	52/67C/67
6500K	90	283.20	566.40	118	F	52/67C/67

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4625$ $y=0.4197$ $u'=0.2601$ $v'=0.5312$

CCT=2734K(Duv=0.0031) Dominant WL:Ld =583.1nm WL:Lc = --nm Purity=64.8%

Ratio:R=26.1% G=71.6% B=2.3% Peak WL:Lp=633.6nm FWHM=149.2nm

Render Index:Ra=93.8 TM30:Rf=93 Rg=97

R1 =94	R2 =96	R3 =96	R4 =94	R5 =93	R6 =95	R7 =95	
R8 =86	R9 =68	R10=89	R11=95	R12=79	R13=94	R14=97	R15=90

Photo Parameters:

Flux = 237.4 lm Eff. : 103.03 lm/W Fe = 893.5 mW

Electrical parameters:

V = 23.999 V I = 0.09600 A P = 2.304 W PF = 1.000

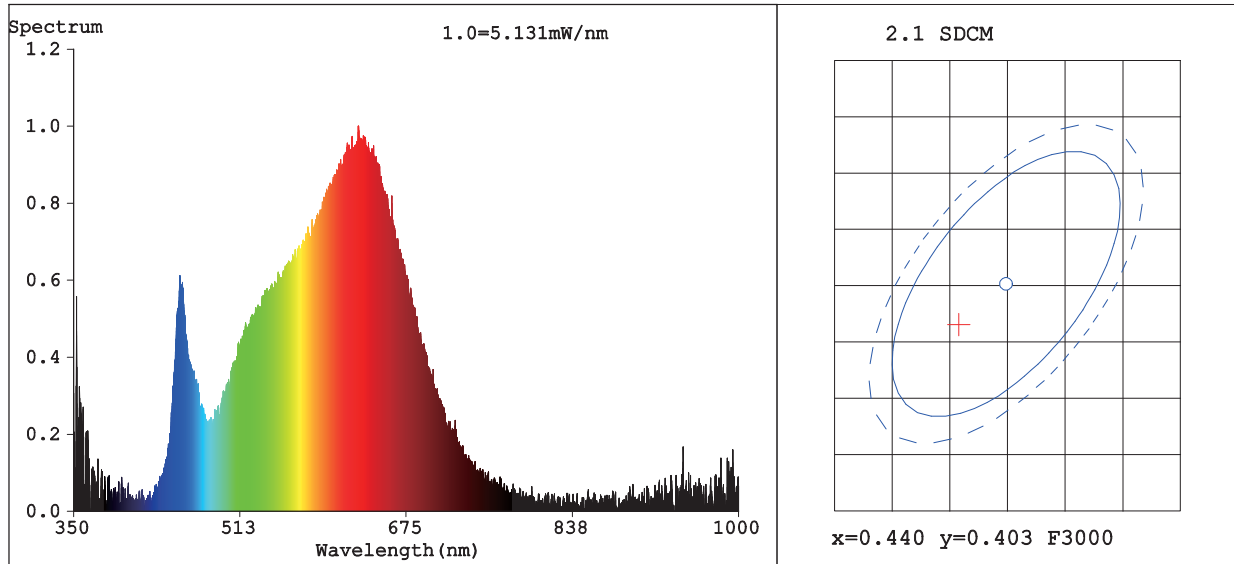
LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 340 (1%)

Model: 80D 2835
 Tester:
 Temperature: Deg
 Manufacturer:

Number: 2700K
 Date: 2022-04-13 11:25:15
 Humidity: %
 Remarks: 0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4358$ $y=0.3994$ $u'=0.2519$ $v'=0.5194$
 CCT=2980K(Duv=-0.0017) Dominant WL:Ld =583.5nm WL:Lc = --nm Purity=50.7%
 Ratio:R=24.9% G=72.2% B=3.0% Peak WL:Lp=628.4nm FWHM=163.8nm
 Render Index:Ra=95.7 TM30:Rf=93 Rg=101

R1 =97 R2 =98 R3 =97 R4 =96 R5 =96 R6 =96 R7 =95
 R8 =90 R9 =78 R10=94 R11=96 R12=80 R13=98 R14=98 R15=95

Photo Parameters:

Flux = 236.5 lm Eff. : 103.07 lm/W Fe = 895.3 mW

Electrical parameters:

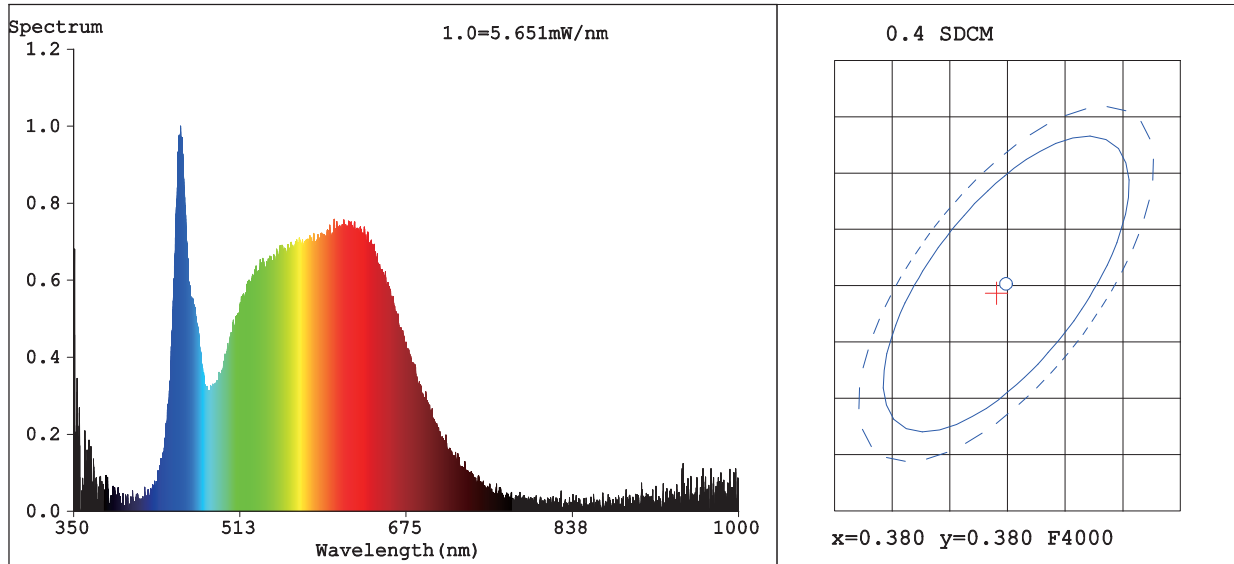
V = 23.999 V I = 0.09560 A P = 2.294 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 326 (0%)

Model: 80D 2835
 Tester:
 Temperature: Deg
 Manufacturer:

Number: 3000K
 Date: 2022-04-13 11:26:10
 Humidity: %
 Remarks: 0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3792$ $y=0.3792$ $u'=0.2233$ $v'=0.5025$
 CCT=4053K(Duv=0.0015) Dominant WL:Ld =578.0nm WL:Lc = --nm Purity=27.6%
 Ratio:R=19.4% G=76.4% B=4.2% Peak WL:Lp=454.5nm FWHM=23.9nm
 Render Index:Ra=92.6 TM30:Rf=90 Rg=98

R1 =93	R2 =96	R3 =96	R4 =91	R5 =91	R6 =92	R7 =95	
R8 =88	R9 =70	R10=88	R11=91	R12=66	R13=94	R14=97	R15=91

Photo Parameters:

Flux = 264.0 lm Eff. : 115.55 lm/W Fe = 939.5 mW

Electrical parameters:

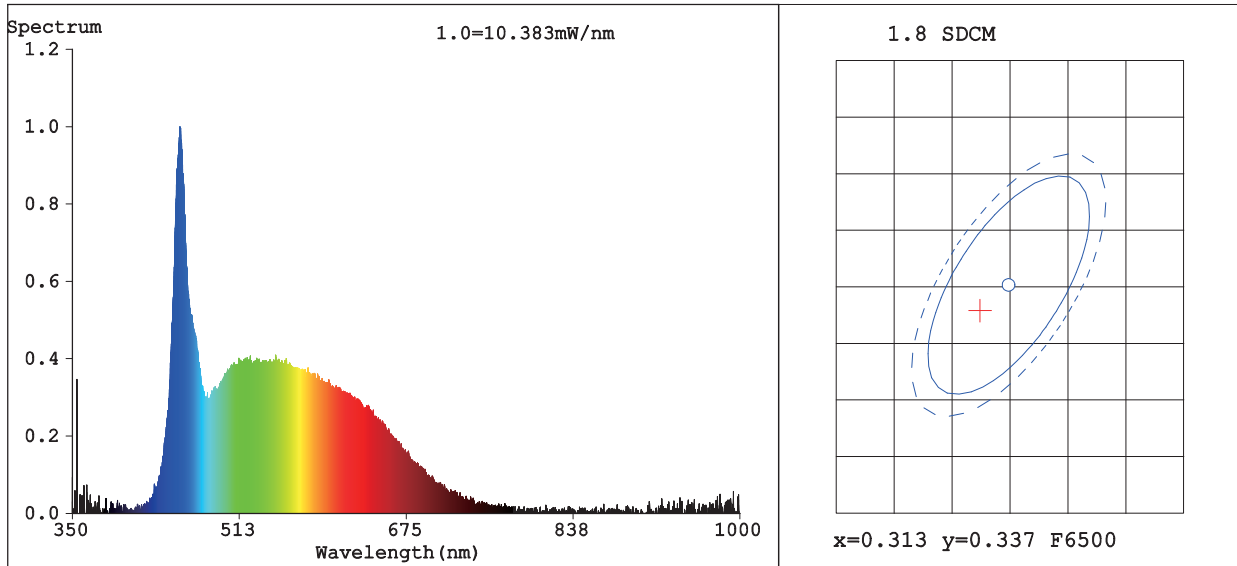
V = 23.999 V I = 0.09520 A P = 2.285 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 295 (0%)

Model: 80D 2835
 Tester:
 Temperature: Deg
 Manufacturer:

Number: 4000K
 Date: 2022-04-13 11:27:07
 Humidity: %
 Remarks: 0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3105$ $y=0.3347$ $u'=0.1942$ $v'=0.4710$
 CCT=6579K(Duv=0.0072) Dominant WL:Ld =0.0nm WL:Lc = --nm Purity=1.7%
 Ratio:R=14.3% G=78.6% B=7.0% Peak WL:Lp=454.8nm FWHM=19.5nm
 Render Index:Ra=91.0 TM30:Rf=89 Rg=95

R1 =91	R2 =97	R3 =97	R4 =86	R5 =89	R6 =94	R7 =91	
R8 =83	R9 =59	R10=93	R11=88	R12=63	R13=94	R14=98	R15=87

Photo Parameters:

Flux = 273.0 lm Eff. : 118.74 lm/W Fe = 965.4 mW

Electrical parameters:

V = 23.999 V I = 0.09580 A P = 2.299 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 519 (1%)

Model:80D 2835
 Tester:
 Temperature:Deg
 Manufacturer:

Number:6500K
 Date:2022-04-13 11:27:55
 Humidity:%
 Remarks:0.5M