



ErP LED STRIP SPECIFICATION

24V 4.8W CRI90 2835 80LED/M IP20/65 F

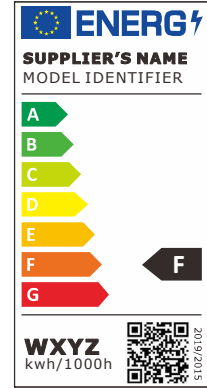
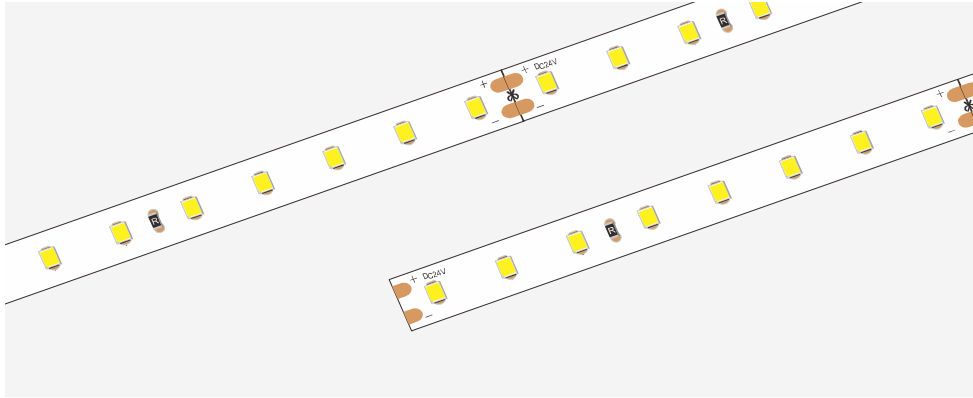


Note: LEDYI may change product specifications and installation guidance without prior notice.

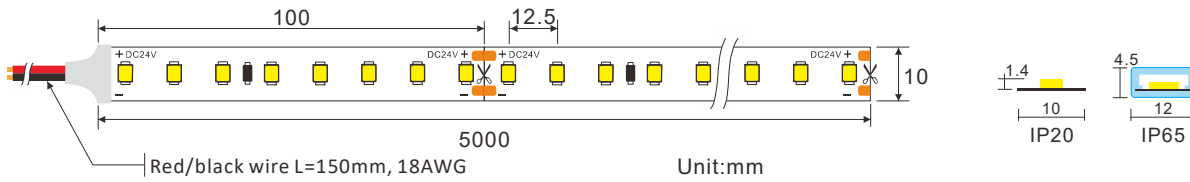
24V 4.8W CRI90 2835 80LED/M IP20/65 F



Part Number: LY80-S2835W27-W24-4.8W-Ra90-IP20-ErP
 W27/W30/W40/W65 IP20/IP65



Dimensions & Waterproof



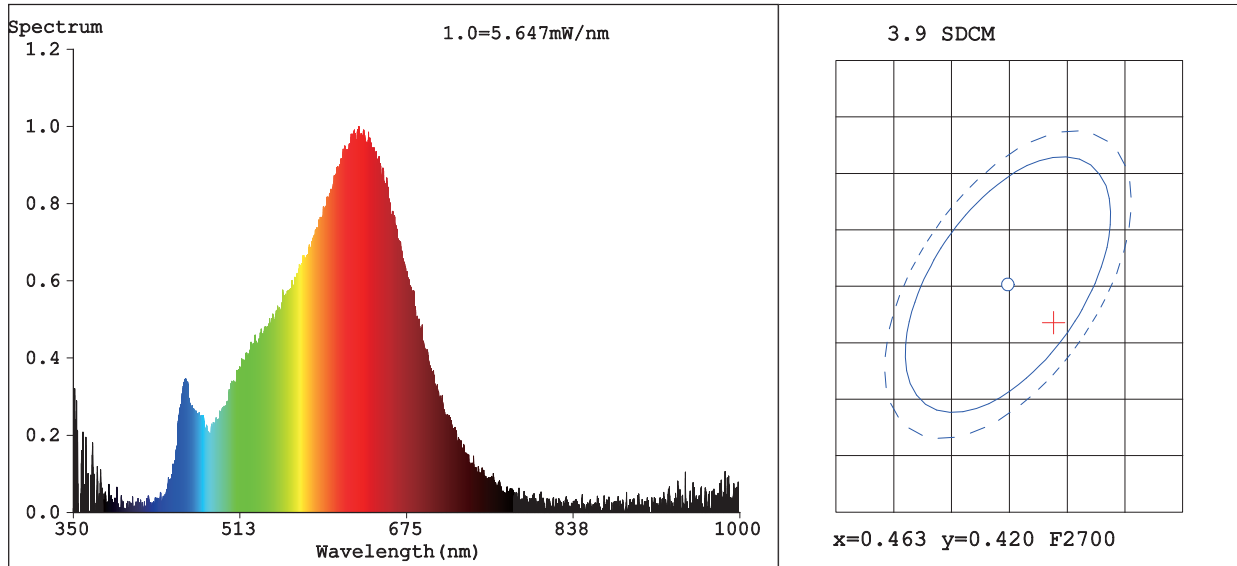
Product Specification

Max.Length	5000mm	Voltage(V)	DC24V
Chip Type	2835SMD	Power(W/m)	4.8W
Chip Density	80LEDs/m	Power(W/0.5m)	2.4W
Step Length	100mm/8LEDs	Beam Angle	120°
MacAdam Ellipse	<6	Operation Temperature	-20°C~50°C
Survival Factor LED	0.9	Lumen Maintenance Factor	0.96

Product Photometrics

CCT	CRI	LM/0.5M	LM/M	LM/W	Energy Efficiency Class	IP Grade
2700K	90	244.80	489.60	102	F	20/65
3000K	90	261.60	523.20	109	F	20/65
4000K	90	271.20	542.40	113	F	20/65
6500K	90	278.40	556.80	116	F	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4669 y=0.4166/u'=0.2643 v'=0.5307

CCT=2650K(Duv=0.0016) Dominant WL:Ld =584.0nm WL:Lc = --nm Purity=65.2%

Ratio:R=27.1% G=70.2% B=2.6% Peak WL:Lp=628.7nm FWHM=139.1nm

Render Index:Ra=95.2

R1 =96	R2 =99	R3 =99	R4 =95	R5 =96	R6 =98	R7 =93	
R8 =86	R9 =71	R10=97	R11=97	R12=84	R13=97	R14=99	R15=92

Photo Parameters:

Flux = 240.9 lm Eff. : 102.33 lm/W Fe = 906.2 mW

Electrical parameters:

V = 23.999 V I = 0.09810 A P = 2.354 W PF = 1.000

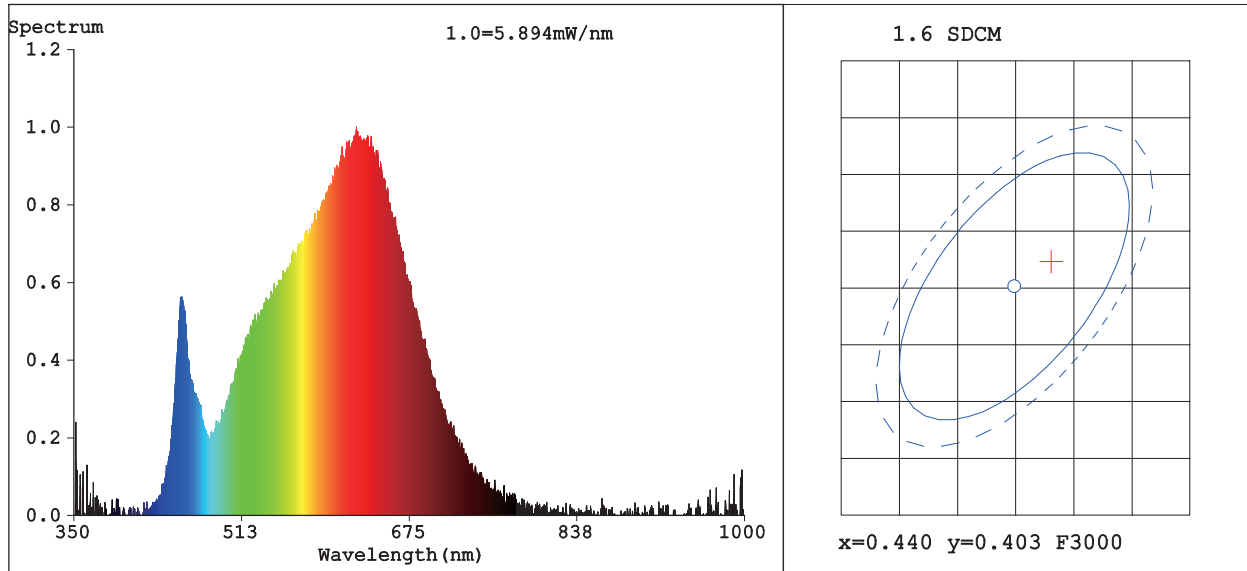
LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 362 (1%)

Model : 202-10017-00
 Tester:
 Temperature:Deg
 Manufacturer:

Number:80D-2700K-20mA-IP20
 Date:2022-03-17 11:24:53
 Humidity:%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4432$ $y=0.4052$ $u'=0.2541$ $v'=0.5228$
 CCT=2906K(Duv=-0.0004) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=54.6%
 Ratio:R=25.0% G=72.3% B=2.7% Peak WL:Lp=623.8nm FWHM=156.4nm
 Render Index:Ra=93.6

R1 =94	R2 =97	R3 =97	R4 =93	R5 =93	R6 =95	R7 =94		
R8 =86	R9 =68	R10=91	R11=93	R12=77	R13=95	R14=98	R15=91	

Photo Parameters:

Flux = 274.4 lm Eff. : 109.96 lm/W Fe = 976.0 mW

Electrical parameters:

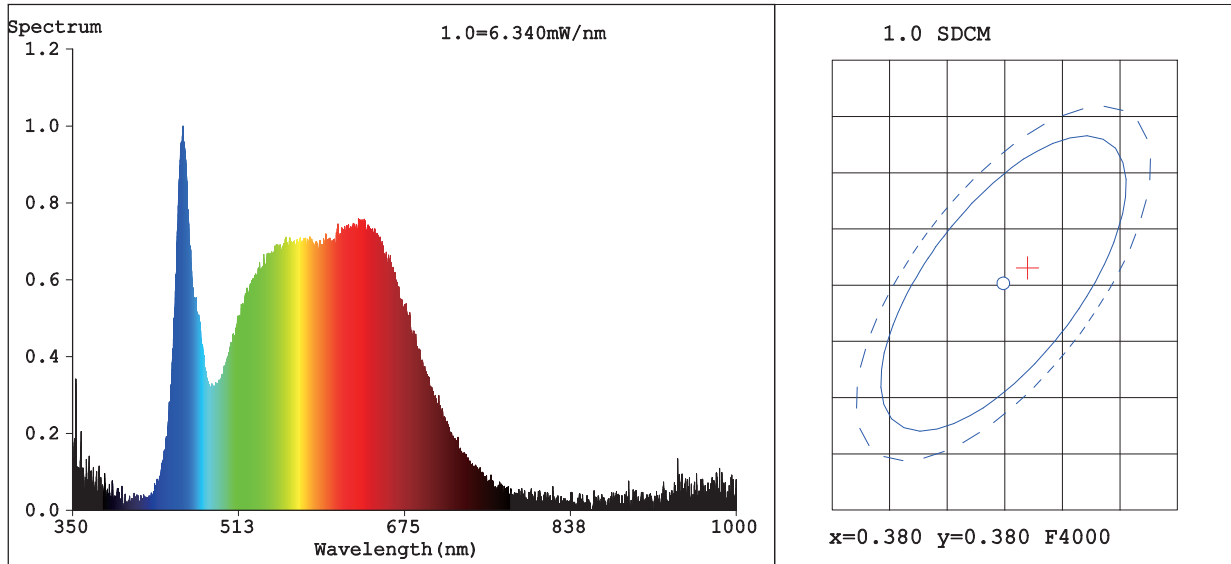
V = 23.999 V I = 0.1040 A P = 2.496 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 380 (1%)

Model: 202-00312-00
 Tester:
 Temperature: Deg
 Manufacturer:

Number: 80D-3000K-20mA-IP20
 Date: 2022-03-17 11:26:08
 Humidity: %
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3821$ $y=0.3814$ $u'=0.2243$ $v'=0.5039$
 CCT=3990K(Duv=0.0017) Dominant WL:Ld =578.2nm WL:Lc = --nm Purity=29.1%
 Ratio:R=19.6% G=76.1% B=4.3% Peak WL:Lp=458.2nm FWHM=23.7nm
 Render Index:Ra=93.0

R1 =94	R2 =97	R3 =96	R4 =89	R5 =90	R6 =92	R7 =95	
R8 =91	R9 =80	R10=89	R11=88	R12=64	R13=95	R14=97	R15=92

Photo Parameters:

Flux = 294.9 lm Eff. : 113.79 lm/W Fe = 1.099 W

Electrical parameters:

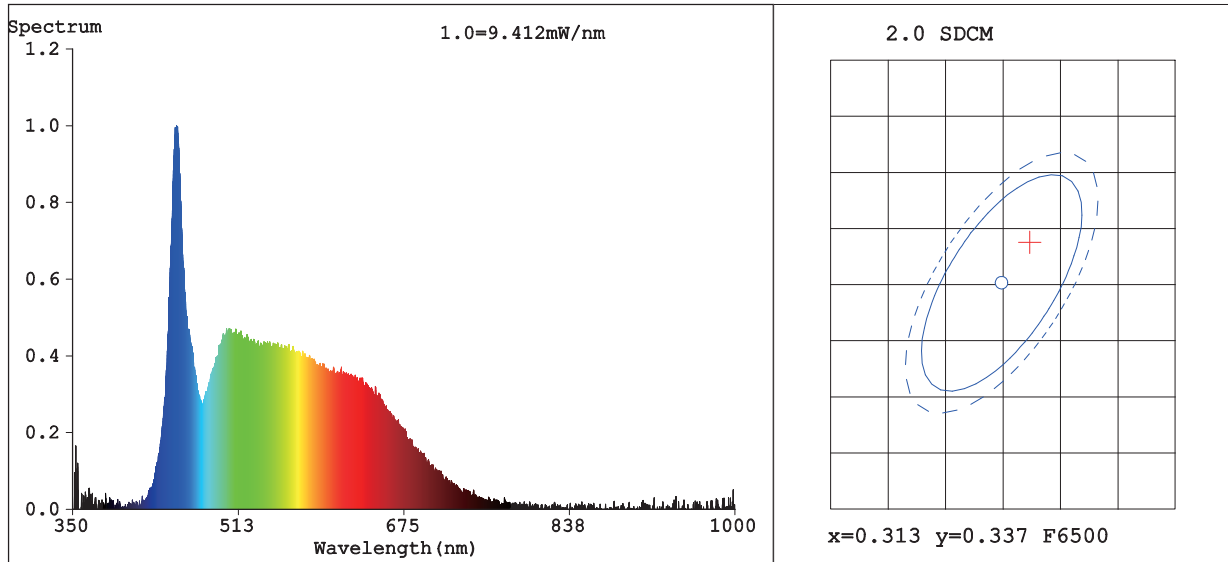
V = 23.999 V I = 0.1080 A P = 2.592 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 333 (1%)

Model : 202-00032-00
 Tester:
 Temperature:Deg
 Manufacturer:

Number:80D-4000K-20mA-IP20
 Date:2022-03-17 11:27:19
 Humidity:%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3154$ $y=0.3407$ $u'=0.1954$ $v'=0.4748$
 CCT=6290K(Duv=0.0077) Dominant WL:Ld =497.0nm WL:Lc = --nm Purity=5.6%
 Ratio:R=14.8% G=78.5% B=6.7% Peak WL:Lp=452.1nm FWHM=17.3nm
 Render Index:Ra=93.9

R1 =93	R2 =96	R3 =99	R4 =93	R5 =93	R6 =94	R7 =95		
R8 =89	R9 =70	R10=93	R11=94	R12=70	R13=94	R14=99	R15=90	

Photo Parameters:

Flux = 274.3 lm Eff. : 116.29 lm/W Fe = 980.0 mW

Electrical parameters:

V = 23.999 V I = 0.09830 A P = 2.359 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 452 (1%)

Model : 202-00487-00
 Tester:
 Temperature:Deg
 Manufacturer:

Number:80D-6500K-20mA-IP20
 Date:2022-03-17 11:28:38
 Humidity:%
 Remarks: