



ErP LED STRIP SPECIFICATION

24V 9.6W CRI90 2835 140LED/M IP52/67 F/G



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

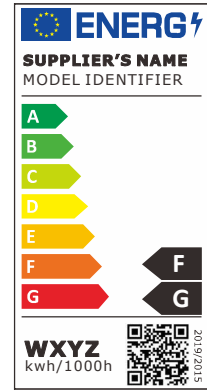
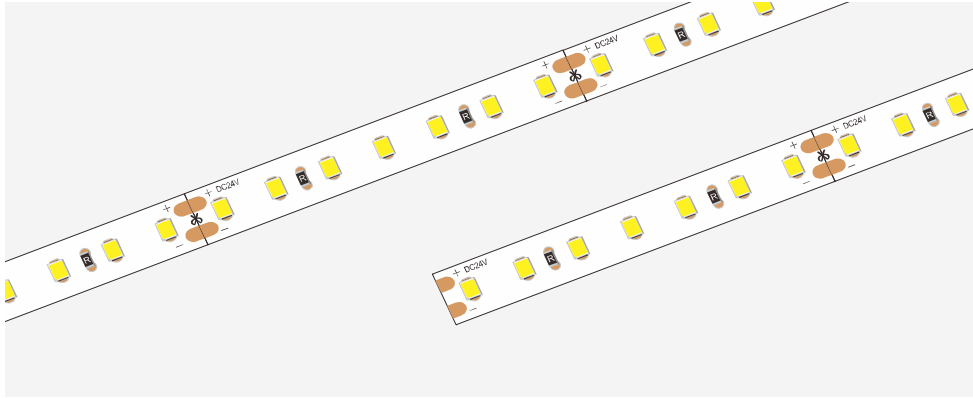
24V 9.6W CRI90 2835 140LED/M IP52/67 F/G



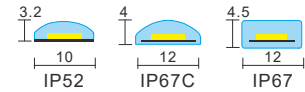
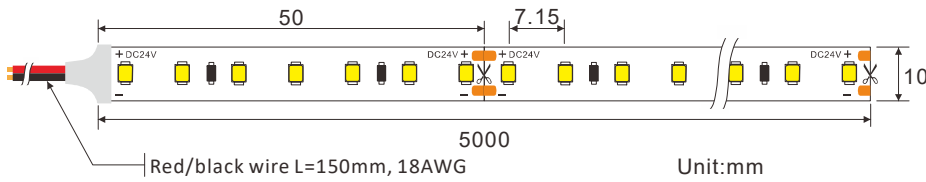
Part Number: LY140-S2835W27-W24-9.6W-Ra90-IP52-ErP

W27/W30/W40/W65

IP67C/IP67



Dimensions & Waterproof



Product Specification

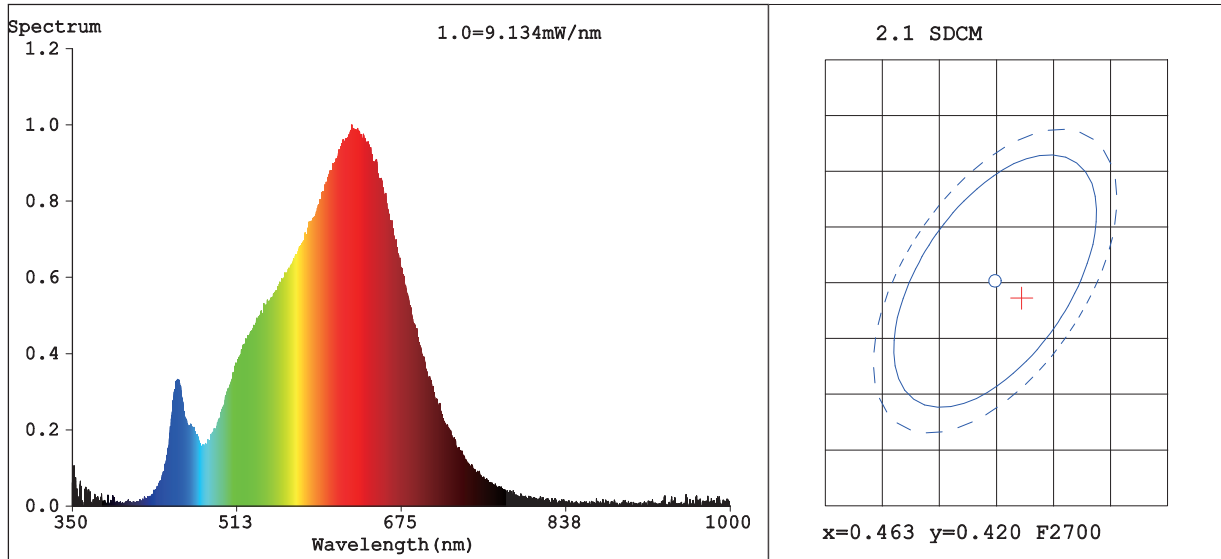
Max.Length	5000mm
Chip Type	2835SMD
Chip Density	140LEDs/m
Step Length	50mm/7LEDs
MacAdam Ellipse	<6
Survival Factor LED	0.9

Voltage(V)	DC24V
Power(W/m)	9.6W
Power(W/0.5m)	4.8W
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	403.20	806.40	84	G	52/67C/67
3000K	90	398.40	796.80	83	G	52/67C/67
4000K	90	465.60	931.20	97	G	52/67C/67
6500K	90	480.00	960.00	100	F	52/67C/67

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4653 y=0.4185/u'=0.2625 v'=0.5311
 CCT=2686K(Duv=0.0024) Dominant WL:Ld =583.5nm WL:Lc = --nm Purity=65.3%
 Ratio:R=26.5% G=71.4% B=2.2% Peak WL:Lp=626.1nm FWHM=149.4nm
 Render Index:Ra=93.5 AvgR=90.5 TM30:Rf=93 Rg=98

R1 =94	R2 =96	R3 =96	R4 =94	R5 =93	R6 =95	R7 =95		
R8 =86	R9 =67	R10=88	R11=95	R12=79	R13=94	R14=97	R15=90	

Photo Parameters:

Flux = 403.2 lm Eff. : 84.93 lm/W Fe = 1.462 W

Electrical parameters:

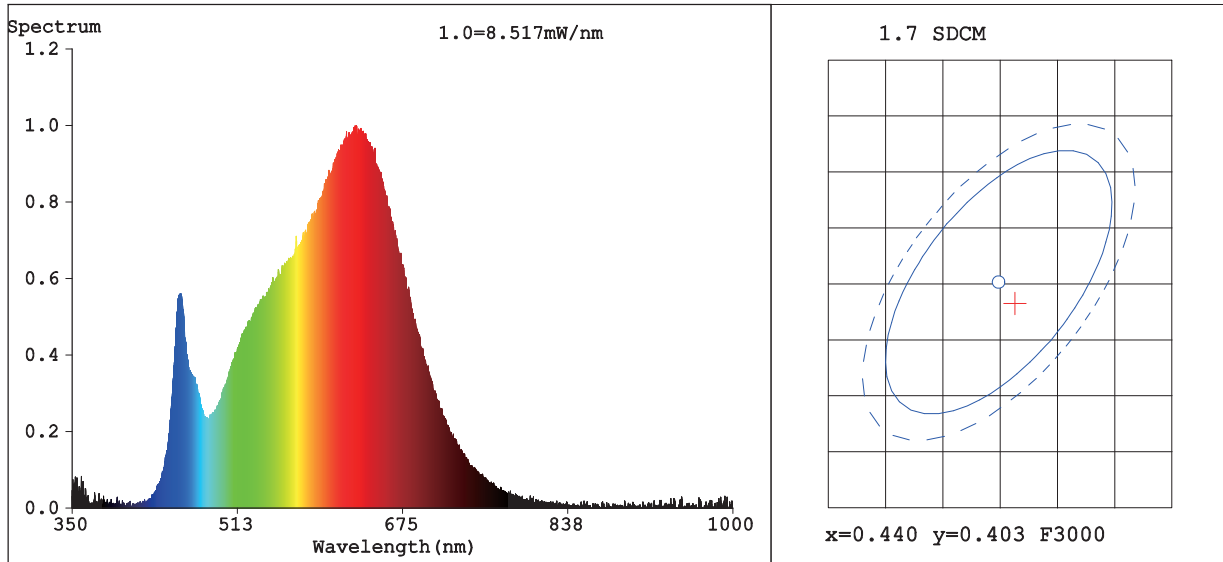
V = 23.999 V I = 0.1978 A P = 4.747 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 500 ms Ip = 2917 (4%)

Model : 140D2835
 Tester:
 Temperature:Deg
 Manufacturer:

Number:0.5M
 Date:2021-12-07 14:22:17
 Humidity:%
 Remarks : IP67/0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4414$ $y=0.4011/u'=0.2548$ $v'=0.5209$
 CCT=2902K(Duv=-0.0018) Dominant WL:Ld =583.9nm WL:Lc = --nm Purity=52.9%
 Ratio:R=25.4% G=71.6% B=3.0% Peak WL:Lp=630.0nm FWHM=157.7nm
 Render Index:Ra=95.9 AvgR=94.0 TM30:Rf=93 Rg=101

R1 =97	R2 =99	R3 =98	R4 =96	R5 =96	R6 =97	R7 =94	
R8 =90	R9 =78	R10=96	R11=96	R12=81	R13=98	R14=98	R15=95

Photo Parameters:

Flux = 393.8 lm Eff. : 83.85 lm/W Fe = 1.451 W

Electrical parameters:

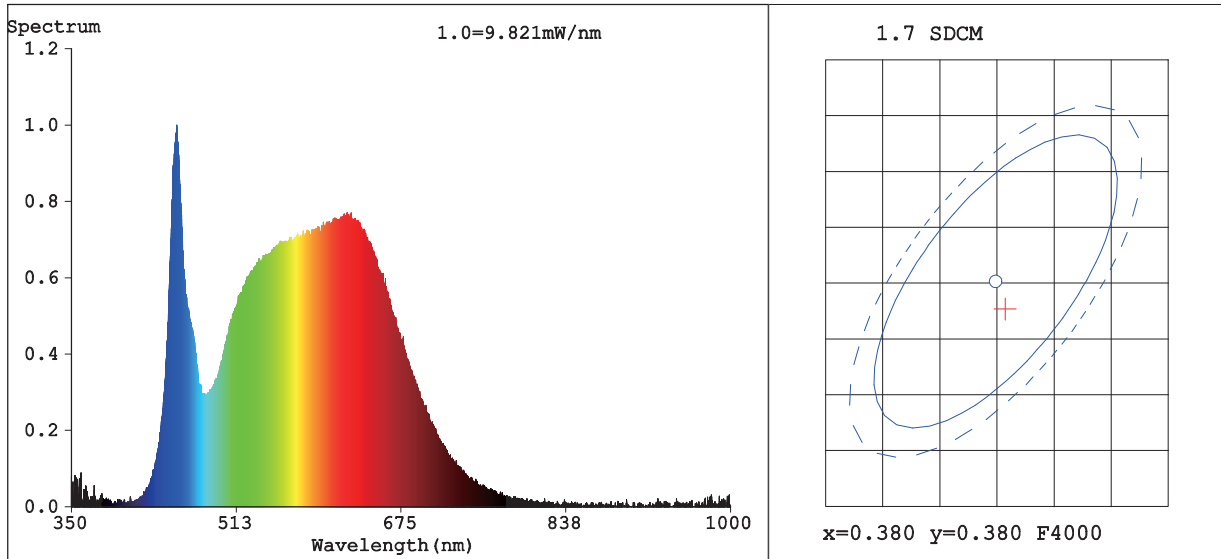
V = 23.998 V I = 0.1957 A P = 4.696 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 500 ms Ip = 2749 (4%)

Model : 140D2835
 Tester:
 Temperature:Deg
 Manufacturer:

Number:0.5M
 Date:2021-12-07 14:53:24
 Humidity:%
 Remarks : IP67/0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3808 y=0.3775/u'=0.2251 v'=0.5020
 CCT=3996K(Duv=0.0002) Dominant WL:Ld =579.0nm WL:Lc = --nm Purity=27.6%
 Ratio:R=19.7% G=76.4% B=4.0% Peak WL:Lp=453.8nm FWHM=21.3nm
 Render Index:Ra=92.5 AvgR=88.9 TM30:Rf=91 Rg=99

R1 =93	R2 =95	R3 =94	R4 =92	R5 =91	R6 =91	R7 =95	
R8 =88	R9 =70	R10=86	R11=91	R12=66	R13=94	R14=96	R15=92

Photo Parameters:

Flux = 464.9 lm Eff. : 97.88 lm/W Fe = 1.608 W

Electrical parameters:

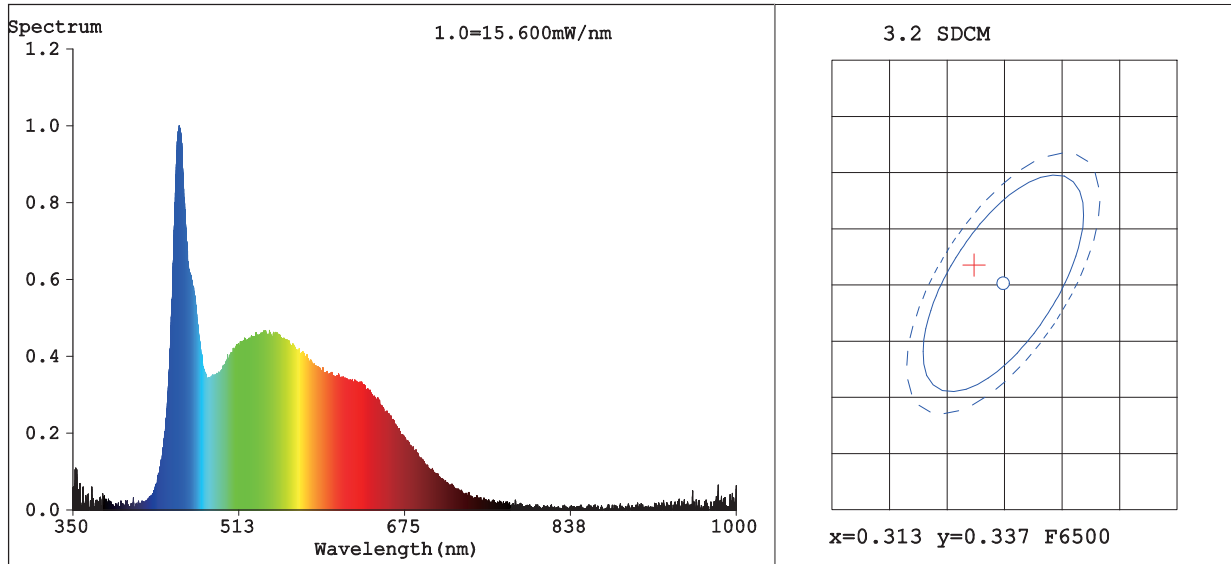
V = 23.998 V I = 0.1979 A P = 4.749 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 500 ms Ip = 2572 (4%)

Model : 140D2835
 Tester:
 Temperature:Deg
 Manufacturer:

Number:0.5M
 Date:2021-12-07 15:00:05
 Humidity:%
 Remarks : IP67/0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3105$ $y=0.3386$ $u'=0.1927$ $v'=0.4731$
 CCT=6552K(Duv=0.0092) Dominant WL:Ld =494.7nm WL:Lc = --nm Purity=7.4%
 Ratio:R=14.2% G=78.9% B=6.9% Peak WL:Lp=454.1nm FWHM=25.4nm
 Render Index:Ra=90.7 AvgR=86.9 TM30:Rf=89 Rg=95

R1 =90	R2 =96	R3 =97	R4 =85	R5 =88	R6 =92	R7 =92
R8 =85	R9 =63	R10=90	R11=86	R12=62	R13=92	R14=99 R15=87

Photo Parameters:

Flux = 461.8 lm Eff. : 100.43 lm/W Fe = 1.648 W

Electrical parameters:

V = 23.999 V I = 0.1916 A P = 4.598 W PF = 1.000
 LEVEL:OUT WHITE:OUT

Status: Integral T = 100 ms Ip = 770 (1%)

Model: 140D 2835
 Tester:River
 Temperature:Deg
 Manufacturer:

Number:0.5M
 Date:2021-12-28 16:38:36
 Humidity:%
 Remarks:IP68/0.5M