



ErP LED STRIP SPECIFICATION

24V 14.4W CRI90 2835 210LED/M IP52/67 F/G



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

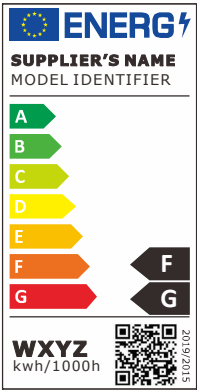
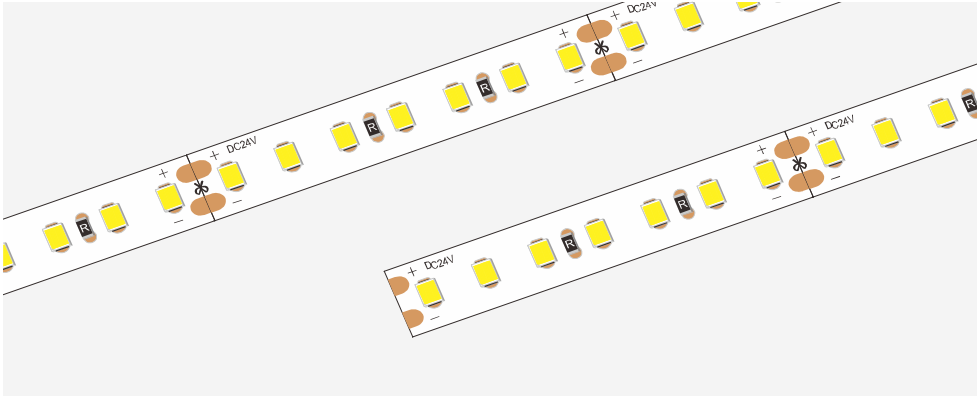
24V 14.4W CRI90 2835 210LED/M IP52/67 F/G



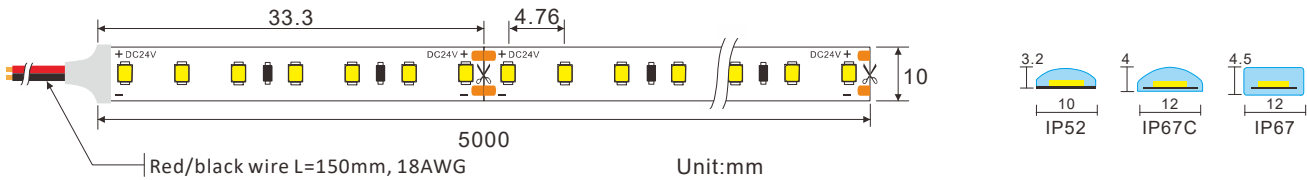
Part Number: LY210-S2835W27-W24-14.4W-Ra90-IP52-ErP

W27/W30/W40/W65

IP67C/IP67



Dimensions & Waterproof



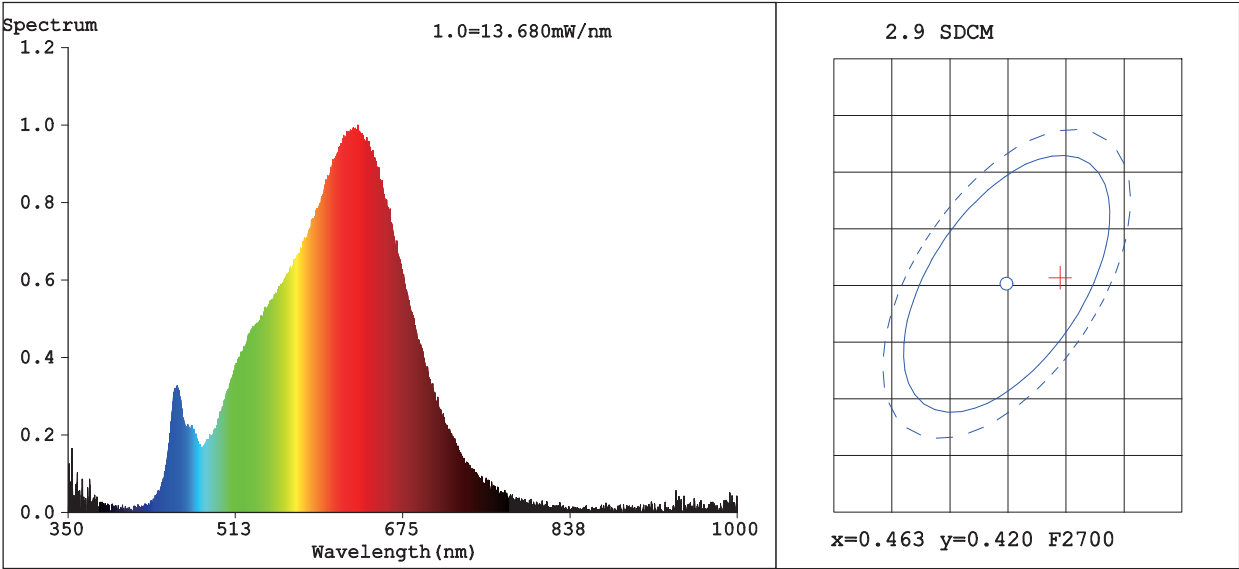
Product Specification

Max.Length	5000mm	Voltage(V)	DC24V
Chip Type	2835SMD	Power(W/m)	14.4W
Chip Density	210LEDs/m	Power(W/0.5m)	7.2
Step Length	33.3mm/7LEDs	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	604.80	1209.60	84	G	52/67C/67
3000K	90	662.40	1324.80	92	G	52/67C/67
4000K	90	684.00	1368.00	95	F	52/67C/67
6500K	90	705.60	1411.20	98	F	52/67C/67

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4676$ $y=0.4206$ / $u'=0.2630$ $v'=0.5322$
CCT=2671K(Duv=0.0030) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=66.6%
Ratio:R=26.6% G=71.1% B=2.2% Peak WL:Lp=631.7nm FWHM=146.2nm
Render Index:Ra=93.6 TM30:Rf=92 Rg=97

R1 =94	R2 =96	R3 =97	R4 =94	R5 =93	R6 =96	R7 =94	
R8 =85	R9 =66	R10=89	R11=95	R12=79	R13=94	R14=97	R15=90

Photo Parameters:

Flux = 603.4 lm Eff. : 84.32 lm/W Fe = 2.195 W

Electrical parameters:

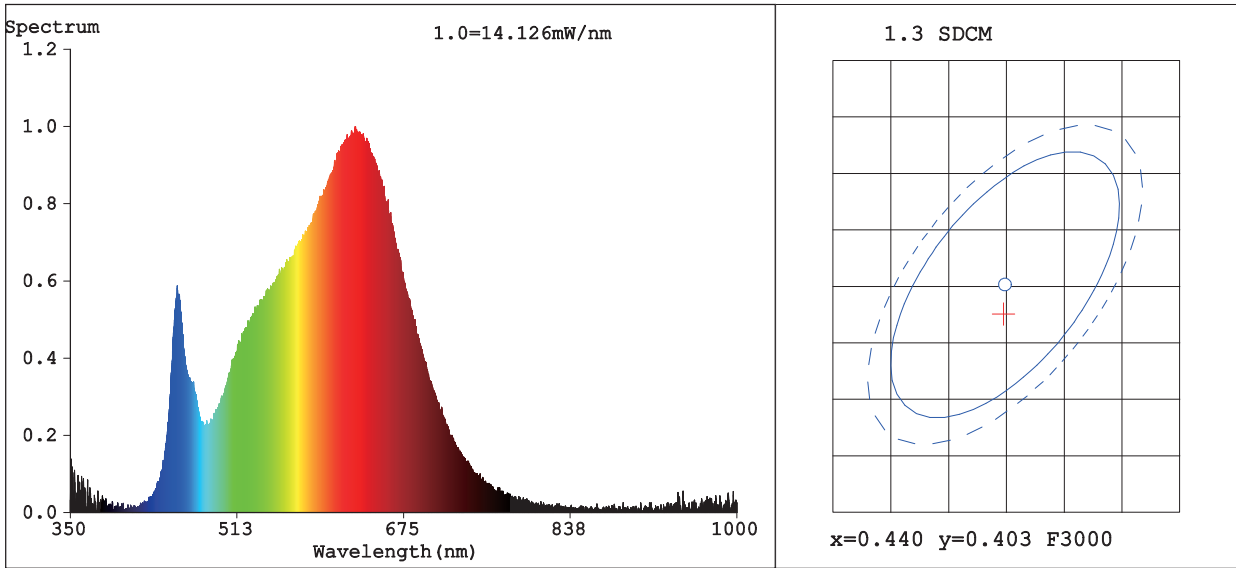
V = 23.999 V I = 0.2982 A P = 7.157 W PF = 1.000
LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 881 (1%)

Model:210D 2835
Tester:
Temperature:Deg
Manufacturer:

Number:2700K
Date:2022-04-13 13:53:05
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.4398 y=0.4004/u'=0.2540 v'=0.5204
CCT=2922K(Duv=-0.0018) Dominant WL:Ld =583.8nm WL:Lc = --nm Purity=52.2%
Ratio:R=25.2% G=71.9% B=2.9% Peak WL:Lp=628.0nm FWHM=158.6nm
Render Index:Ra=95.4 TM30:Rf=93 Rg=101

R1 =97	R2 =98	R3 =98	R4 =95	R5 =96	R6 =96	R7 =94	
R8 =89	R9 =76	R10=94	R11=96	R12=80	R13=97	R14=98	R15=94

Photo Parameters:

Flux = 657.8 lm Eff. : 92.20 lm/W Fe = 2.426 W

Electrical parameters:

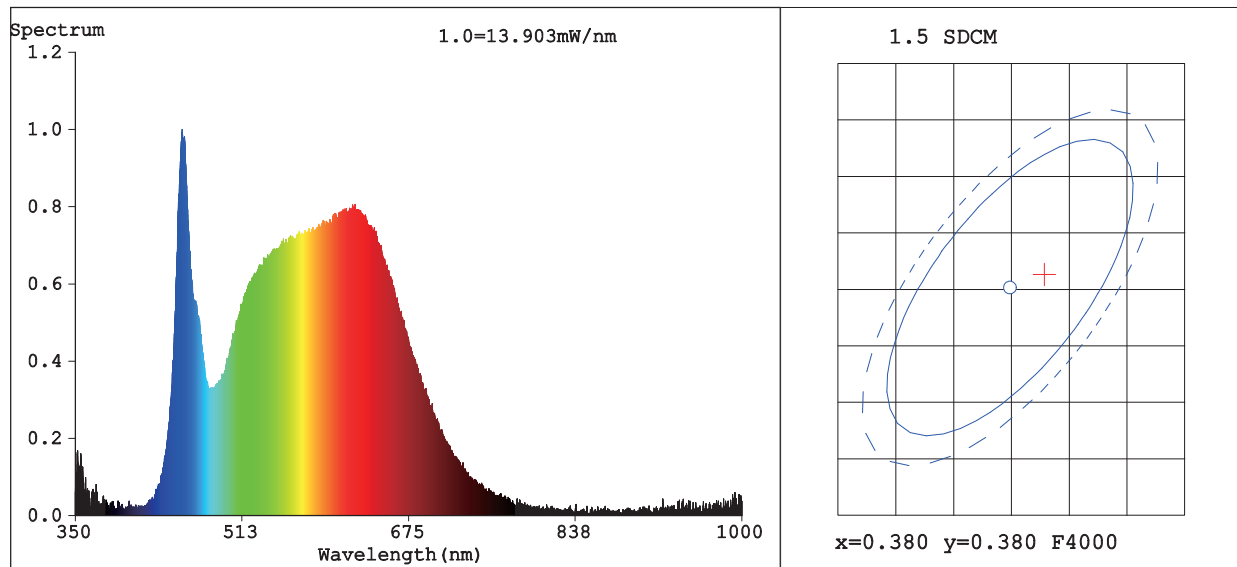
V = 23.998 V I = 0.2973 A P = 7.135 W PF = 1.000
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 905 (1%)Model:210D 2835

Tester:
Tester:
Temperature:Deg
Manufacturer:

Number:3000K
Date:2022-04-13 13:54:09
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3830$ $y=0.3812$ $u'=0.2250$ $v'=0.5039$

CCT=3965K(Duv=0.0013) Dominant WL:Ld =578.5nm WL:Lc = --nm Purity=29.3%

Ratio:R=19.7% G=76.1% B=4.1% Peak WL:Lp=454.5nm FWHM=24.1nm

Render Index:Ra=92.7 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 = 681.7 lm Eff. : 95.74 lm/W Fe = 2.385 W

Electrical parameters:

V = 23.999 V I = 0.2967 A P = 7.121 W PF = 1.000

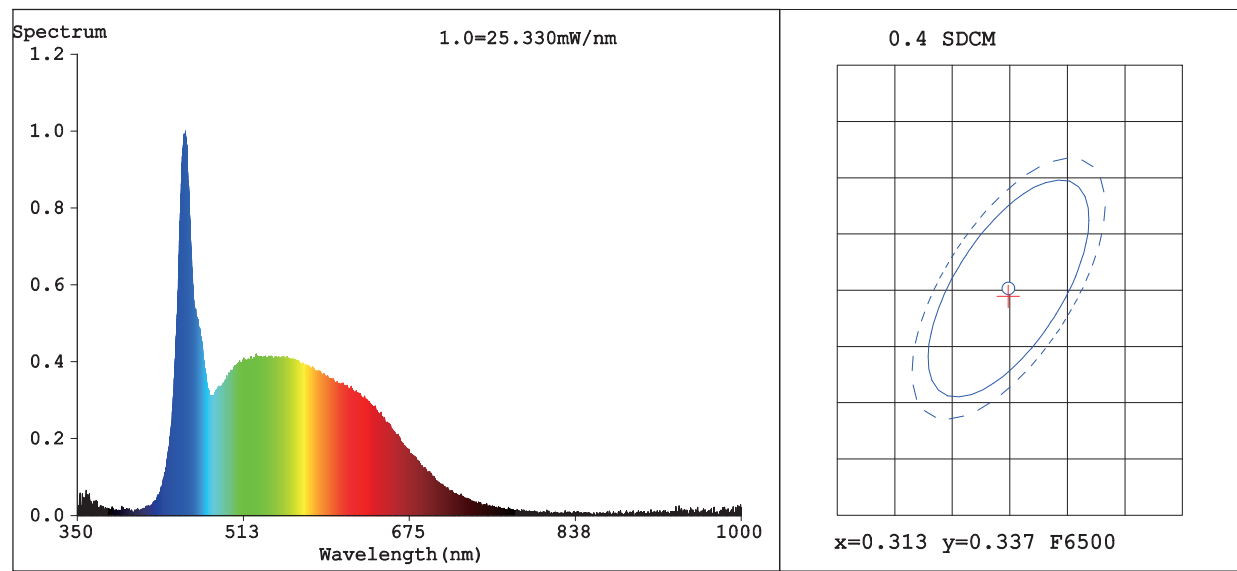
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 751 (1%)

Model :210D 2835
Tester:
Temperature:Deg
Manufacturer:

Number:4000K
Date:2022-04-13 13:54:57
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3130 y=0.3363/u'=0.1953 v'=0.4722
CCT=6439K(Duv=0.0068) Dominant WL:Ld =493.6nm WL:Lc = --nm Purity=6.7%
Ratio:R=14.5% G=78.6% B=7.0% Peak WL:Lp=455.8nm FWHM=21.4nm
Render Index:Ra=91.1 TM30:Rf=89 Rg=95

R1 =91	R2 =97	R3 =97	R4 =86	R5 =90	R6 =94	R7 =91	
R8 =83	R9 =60	R10=93	R11=88	R12=64	R13=94	R14=98	R15=88

Photo Parameters:

Flux = 702.9 lm Eff. : 98.49 lm/W Fe = 2.496 W

Electrical parameters:

V = 23.999 V I = 0.2974 A P = 7.137 W PF = 1.000
LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 1264 (2%)

Model:210D 2835
Tester:
Temperature:Deg
Manufacturer:

Number:6500K
Date:2022-04-13 13:55:43
Humidity:%
Remarks:0.5M