



ErP LED STRIP SPECIFICATION

24V 9W CRI80 2835 180LED/M IP20/65 C/D

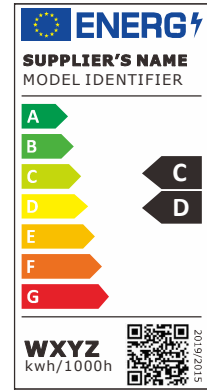
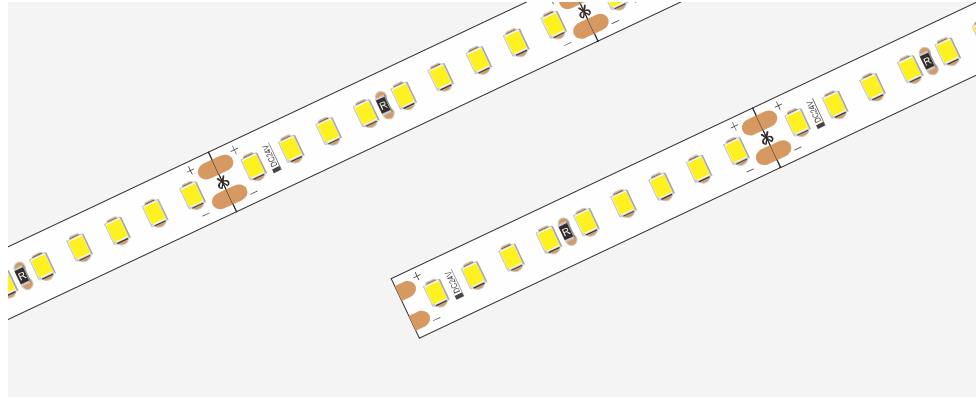


Note: LEDYI may change product specifications and installation guidance without prior notice.

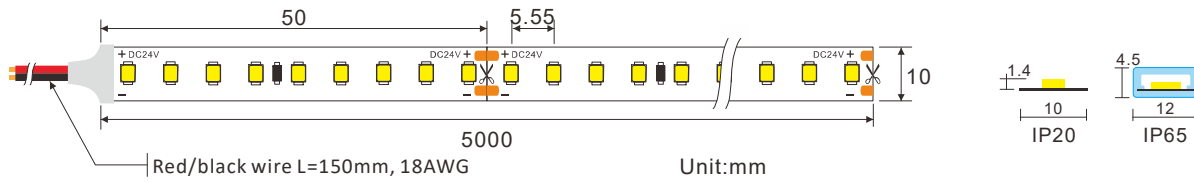
24V 9W CRI80 2835 180LED/M IP20/65 C/D



Part Number: LY180-S2835-W27-W24-9W-Ra80-IP20-ErP
 W27/W30/W40/W65 IP20/IP65



Dimensions & Waterproof



Product Specification

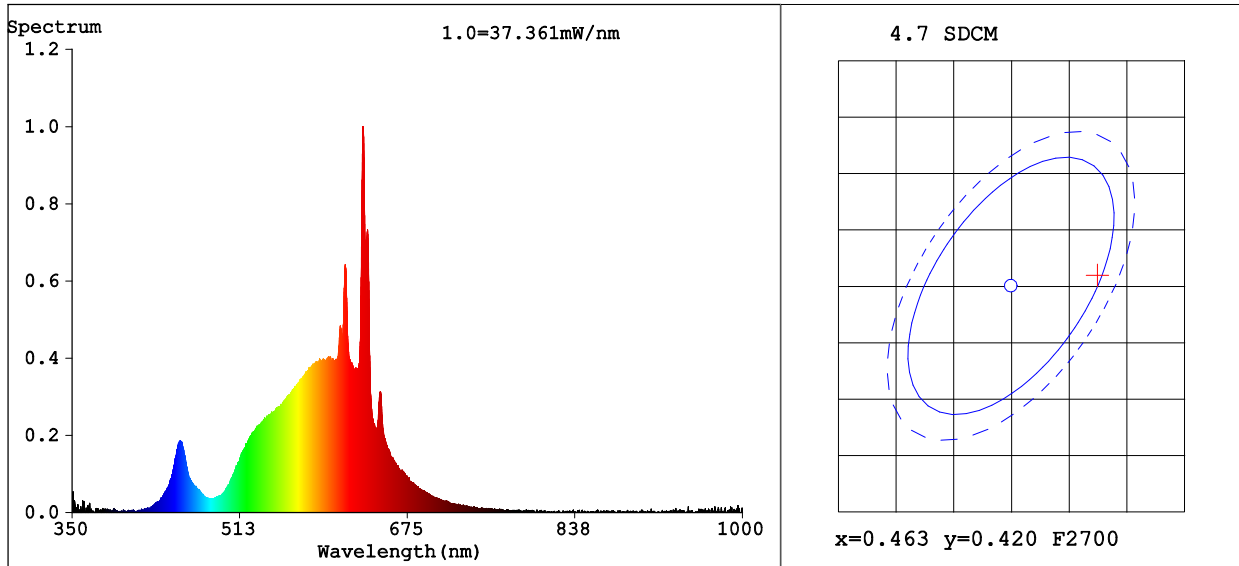
Max.Length	5000mm
Chip Type	2835SMD
Chip Density	180LEDs/m
Step Length	50mm/9LEDs
MacAdam Ellipse	<6
Survival Factor LED	0.9

Voltage(V)	DC24V
Power(W/m)	9W
Power(W/0.5m)	4.5W
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	80	760.50	1521.00	169	D	20/65
3000K	80	810.00	1620.00	180	C	20/65
4000K	80	828.00	1656.00	184	C	20/65
6500K	80	769.50	1539.00	171	D	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4705 y=0.4209/u'=0.2647 v'=0.5328
 CCT=2636K(Duv=0.0029) Dominant WL:Ld =583.7nm WL:Lc = --nm Purity=67.6%
 Ratio:R=25.6% G=73.0% B=1.3% Peak WL:Lp=632.0nm FWHM=8.2nm
 Render Index:Ra=82.2 AvgR=75.6

R1 =82	R2 =87	R3 =91	R4 =82	R5 =79	R6 =83	R7 =88	
R8 =67	R9 =22	R10=68	R11=78	R12=56	R13=82	R14=94	R15=76

Photo Parameters:

Flux = 786.8 lm Eff. : 169.00 lm/W Fe = 2.266 W

Electrical parameters:

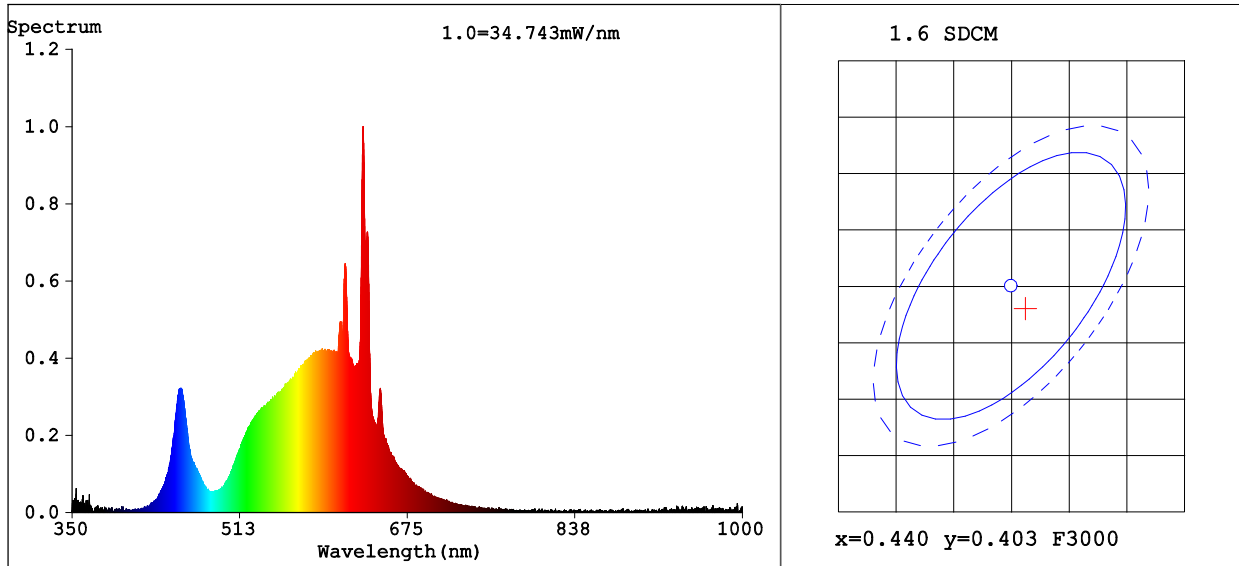
V = 23.999 V I = 0.1940 A P = 4.656 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 2336 (4%)

Model:
 Tester:
 Temperature:Deg
 Manufacturer:

Number:180D-2700K
 Date:2022-03-22 14:05:45
 Humidity:%
 Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4412 y=0.4010/u'=0.2547 v'=0.5208

CCT=2904K(Duv=-0.0018) Dominant WL:Ld =583.9nm Purity=52.8%

Ratio:R=23.9% G=74.1% B=1.9% Peak WL:Lp=632.3nm FWHM=8.4nm

Render Index:Ra=83.5 AvgR=77.5

R1 =83	R2 =89	R3 =92	R4 =82	R5 =81	R6 =85	R7 =87	
R8 =69	R9 =28	R10=72	R11=78	R12=59	R13=84	R14=94	R15=79

Photo Parameters:

Flux = 801.4 lm Eff. : 180.80 lm/W Fe = 2.376 W

Electrical parameters:

V = 23.999 V I = 0.1847 A P = 4.433 W PF = 1.000

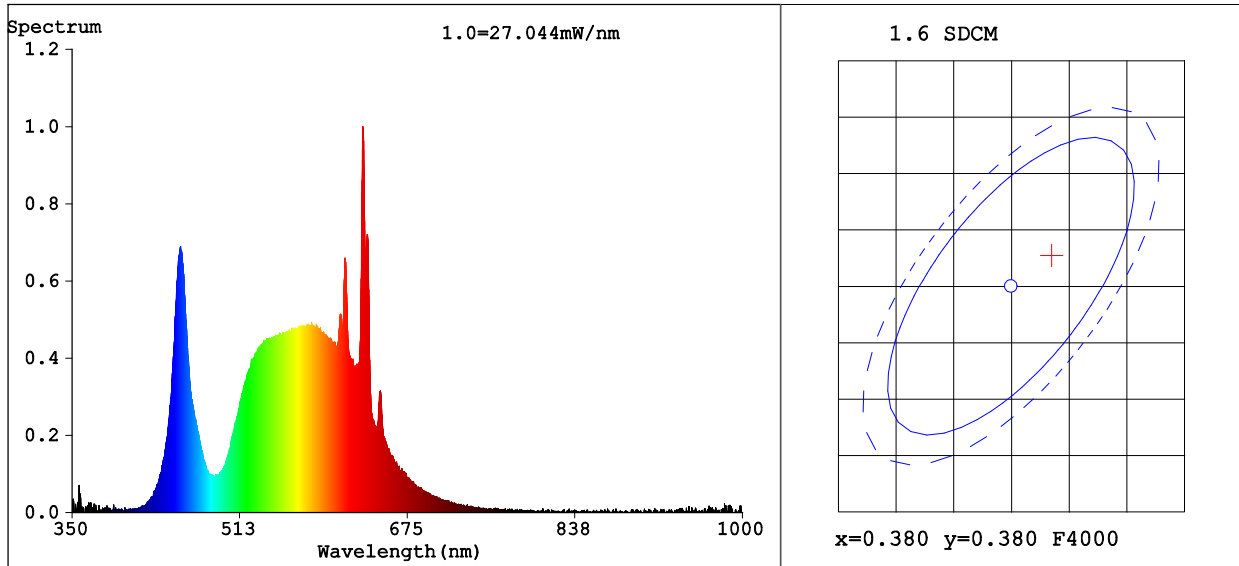
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 2179 (3%)

Model:180D 2835
Tester:
Temperature:Deg
Manufacturer:

Number:180D-3000K
Date:2022-03-04 11:30:11
Humidity:%
Remarks:IP20/0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3835$ $y=0.3827$ / $u'=0.2247$ $v'=0.5046$

CCT=3962K(Duv=0.0019) Dominant WL:Ld =578.3nm Purity=30.0%

Ratio:R=18.6% G=78.5% B=2.9% Peak WL:Lp=632.0nm FWHM=8.1nm

Render Index:Ra=82.7 AvgR=75.6

R1 =82	R2 =86	R3 =87	R4 =82	R5 =80	R6 =79	R7 =91	
R8 =75	R9 =30	R10=64	R11=78	R12=46	R13=83	R14=91	R15=80

Photo Parameters:

Flux = 817.7 lm Eff. : 184.97 lm/W Fe = 2.393 W

Electrical parameters:

V = 23.999 V I = 0.1842 A P = 4.421 W PF = 1.000

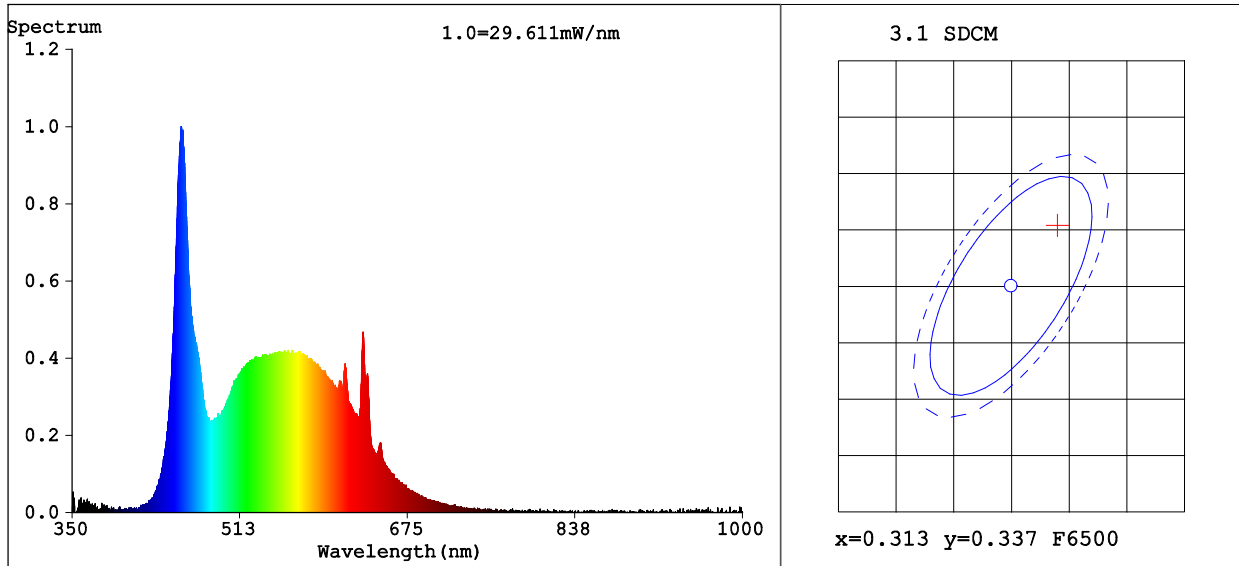
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 1691 (3%)

Model:R+W
 Tester:
 Temperature:Deg
 Manufacturer:

Number:180D-4000K
 Date:2022-03-04 17:11:42
 Humidity:%
 Remarks:IP67/1M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3170$ $y=0.3424$ $u'=0.1959$ $v'=0.4759$
 CCT=6203K(Duv=0.0078) Dominant WL:Ld =499.0nm WL:Lc = --nm Purity=5.1%
 Ratio:R=13.7% G=80.2% B=6.1% Peak WL:Lp=455.9nm FWHM=17.6nm
 Render Index:Ra=84.4 AvgR=77.7

R1 =83	R2 =92	R3 =95	R4 =79	R5 =82	R6 =87	R7 =87	
R8 =71	R9 =18	R10=79	R11=78	R12=54	R13=86	R14=98	R15=78

Photo Parameters:

Flux = 799.4 lm Eff. : 171.07 lm/W Fe = 2.526 W

Electrical parameters:

V = 23.999 V I = 0.1947 A P = 4.673 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 1501 (2%)

Model:
 Tester:
 Temperature:Deg
 Manufacturer:

Number:180D-6500K
 Date:2022-03-22 14:06:28
 Humidity:%
 Remarks:0.5M