



ErP LED STRIP SPECIFICATION

24V 4.8W CRI90 2835 70LED/M IP20/65 F/G

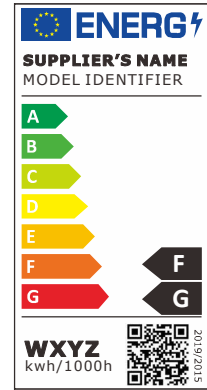
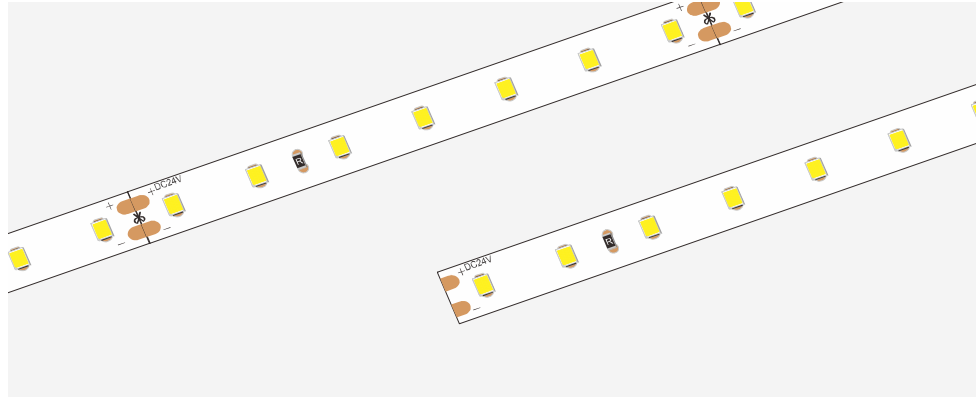


Note: LEDYI may change product specifications and installation guidance without prior notice.

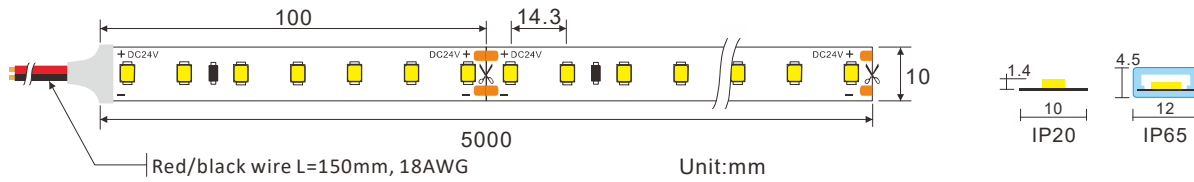
24V 4.8W CRI90 2835 70LED/M IP20/65 F/G



Part Number: LY70-S2835W27-W24-4.8W-Ra90-IP20-ErP
 W27/W30/W40/W65 IP20/IP65



Dimensions & Waterproof



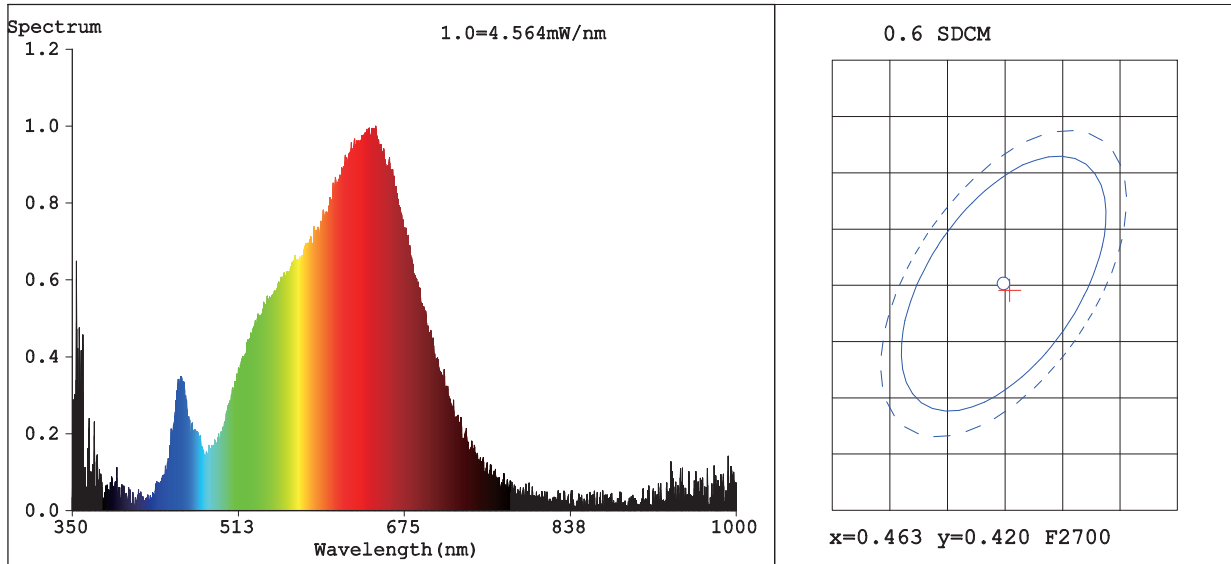
Product Specification

Max.Length	5000mm	Voltage(V)	DC24V
Chip Type	2835SMD	Power(W/m)	4.8W
Chip Density	70LEDs/m	Power(W/0.5m)	2.4W
Step Length	100mm/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	192.00	384.00	80	G	20/65
3000K	90	208.80	417.60	87	G	20/65
4000K	90	220.80	441.60	92	G	20/65
6500K	90	242.40	484.80	101	F	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4635$ $y=0.4194$ $u'=0.2609$ $v'=0.5312$
 CCT=2717K(Duv=0.0029) Dominant WL:Ld =583.2nm WL:Lc = --nm Purity=65.0%
 Ratio:R=26.1% G=71.8% B=2.0% Peak WL:Lp=647.3nm FWHM=159.4nm
 Render Index:Ra=93.9

R1 =95	R2 =95	R3 =92	R4 =95	R5 =93	R6 =92	R7 =98	
R8 =92	R9 =79	R10=85	R11=94	R12=74	R13=94	R14=94	R15=93

Photo Parameters:

Flux = 197.5 lm Eff. : 80.31 lm/W Fe = 786.1 mW

Electrical parameters:

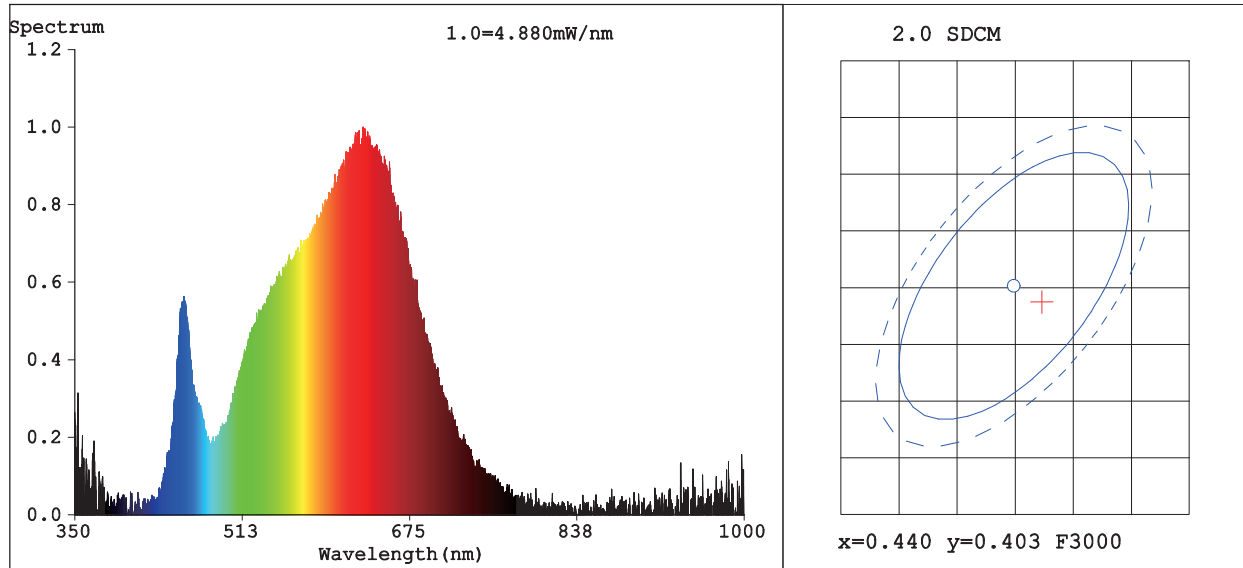
V = 23.998 V I = 0.1025 A P = 2.460 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 284 (0%)

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

Number: 70D-2700K-20mA-IP20
 Date: 2022-03-17 10:42:39
 Humidity: %
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4424$ $y=0.4016/u'=0.2552$ $v'=0.5212$
 CCT=2889K(Duv=-0.0017) Dominant WL:Ld =583.9nm WL:Lc = --nm Purity=53.3%
 Ratio:R=25.2% G=72.3% B=2.5% Peak WL:Lp=630.1nm FWHM=158.9nm
 Render Index:Ra=93.7

R1 =95	R2 =96	R3 =94	R4 =93	R5 =93	R6 =94	R7 =95		
R8 =89	R9 =74	R10=88	R11=92	R12=76	R13=95	R14=96	R15=93	

Photo Parameters:

Flux = 224.2 lm Eff. : 87.22 lm/W Fe = 840.8 mW

Electrical parameters:

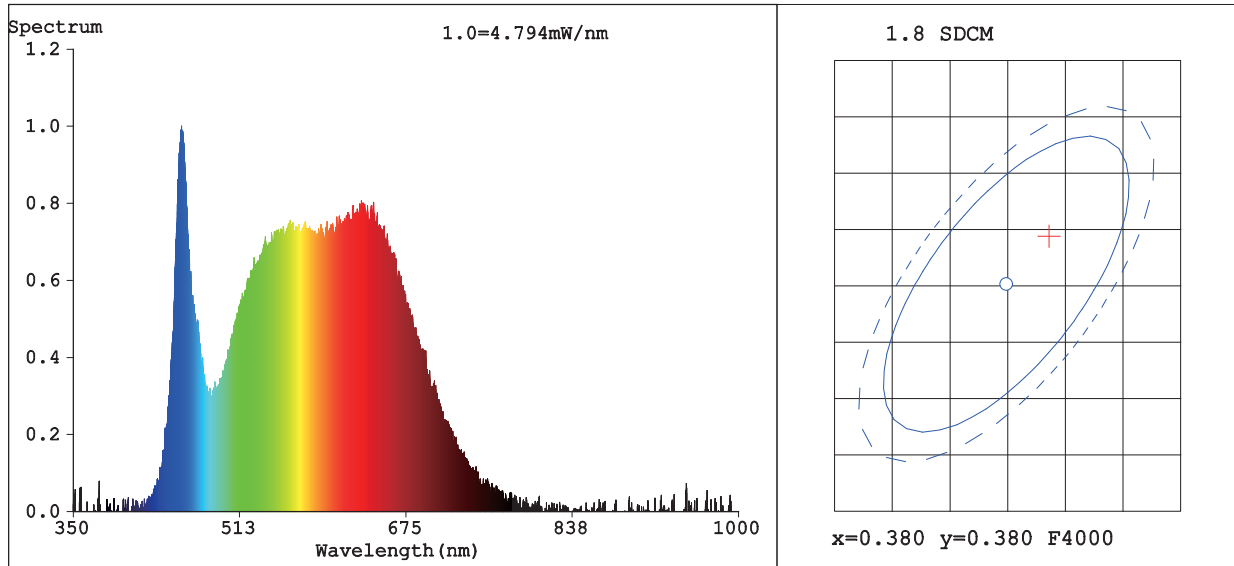
V = 23.999 V I = 0.1071 A P = 2.570 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 313 (0%)odel:202-20006-00

Model : 202-20006-00
 Tester:
 Temperature:Deg
 Manufacturer:

Number:70D-3000K-20mA-IP20
 Date:2022-03-17 10:43:37
 Humidity:%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3837$ $y=0.3843$ $u'=0.2243$ $v'=0.5053$
 CCT=3968K(Duv=0.0025) Dominant WL:Ld =577.9nm WL:Lc = --nm Purity=30.5%
 Ratio:R=19.5% G=76.5% B=4.0% Peak WL:Lp=455.8nm FWHM=21.7nm
 Render Index:Ra=92.4

R1 =93	R2 =95	R3 =94	R4 =90	R5 =90	R6 =90	R7 =97	
R8 =91	R9 =77	R10=85	R11=89	R12=62	R13=93	R14=96	R15=92

Photo Parameters:

Flux = 232.9 lm Eff. : 92.34 lm/W Fe = 822.8 mW

Electrical parameters:

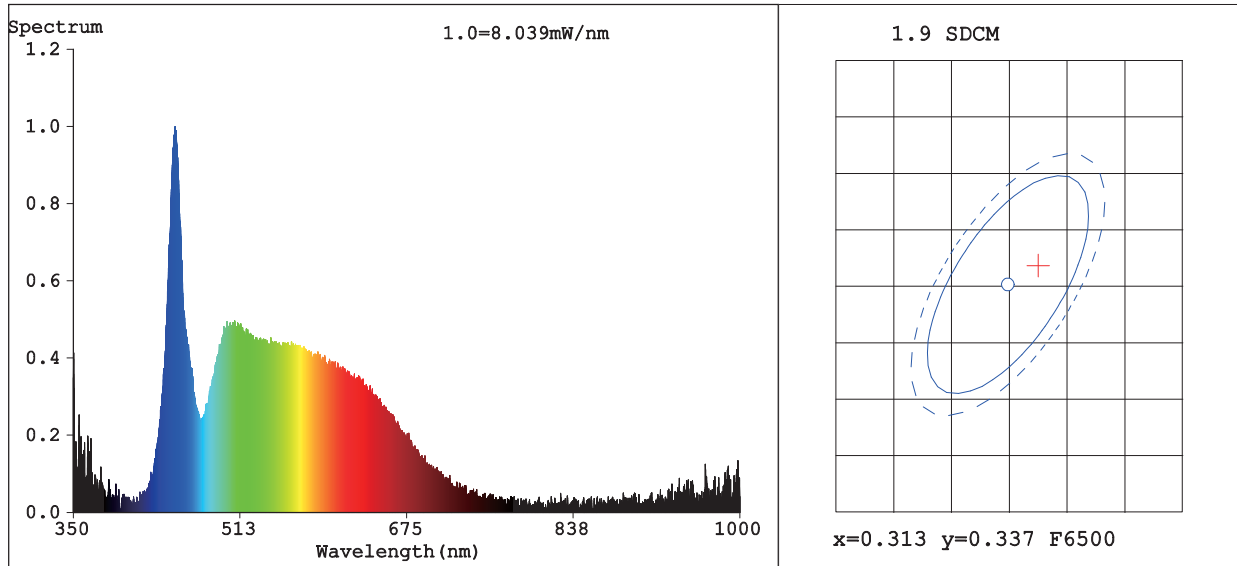
V = 23.999 V I = 0.1051 A P = 2.522 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 269 (0%)

Model : 202-20009-00
 Tester:
 Temperature:Deg
 Manufacturer:

Number:70D-4000K-20mA-IP20
 Date:2022-03-17 10:44:29
 Humidity:%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3156 y=0.3387/u'=0.1962 v'=0.4738
 CCT=6293K(Duv=0.0067) Dominant WL:Ld =495.6nm WL:Lc = --nm Purity=5.7%
 Ratio:R=14.7% G=78.9% B=6.4% Peak WL:Lp=449.1nm FWHM=17.3nm
 Render Index:Ra=92.9

R1 =91	R2 =94	R3 =97	R4 =94	R5 =92	R6 =92	R7 =95	
R8 =87	R9 =60	R10=88	R11=94	R12=75	R13=92	R14=99	R15=88

Photo Parameters:

Flux = 241.5 lm Eff. : 101.45 lm/W Fe = 922.5 mW

Electrical parameters:

V = 23.999 V I = 0.09920 A P = 2.381 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 377 (1%)

Model: 202-50020-00
 Tester:
 Temperature:Deg
 Manufacturer:

Number:70D-6500K-20mA-IP20
 Date:2022-03-17 10:45:13
 Humidity:%
 Remarks: