



ErP LED STRIP SPECIFICATION

24V 9.6W CRI90 2835 70LED/M IP52/67 F/G

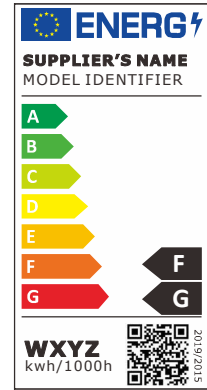
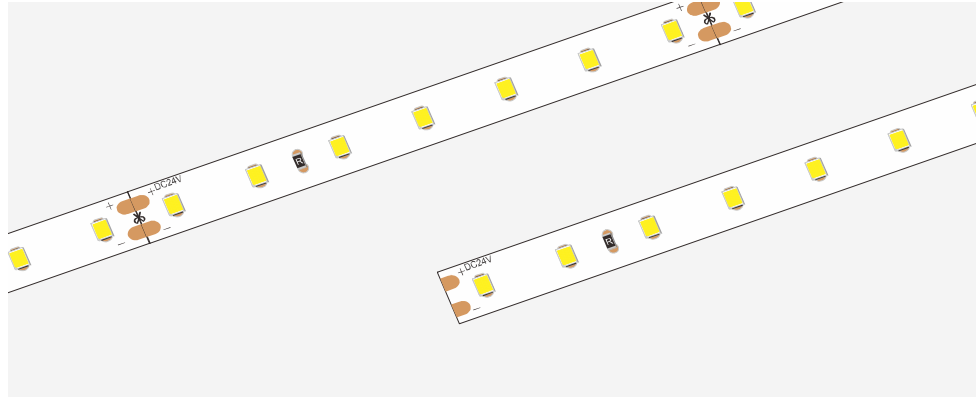


Note: LEDYI may change product specifications and installation guidance without prior notice.

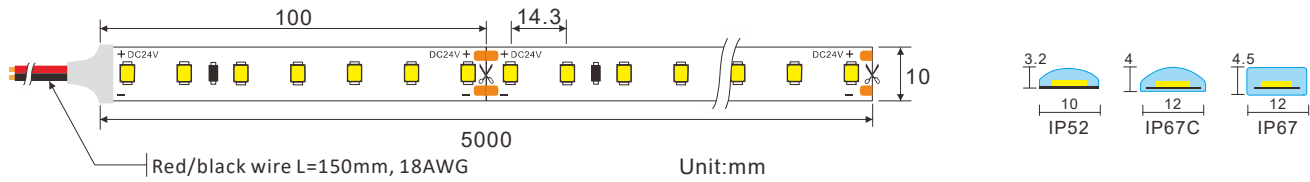
24V 9.6W CRI90 2835 70LED/M IP52/67 F/G



Part Number: LY70-S2835W27-W24-9.6W-Ra90-IP52-ErP
 W27/W30/W40/W65 IP67C/IP67



Dimensions & Waterproof



Product Specification

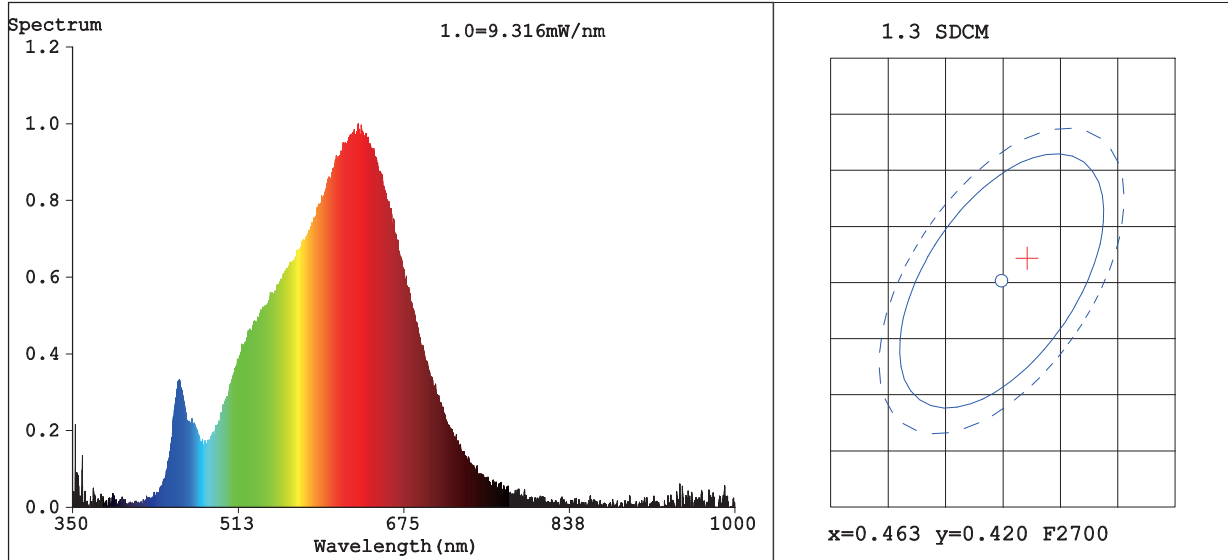
Max.Length	5000mm
Chip Type	2835SMD
Chip Density	70LEDs/m
Step Length	100mm/7LEDs
MacAdam Ellipse	<6
Survival Factor LED	0.9

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	412.80	825.60	86	G	52/67C/67
3000K	90	417.60	835.20	87	G	52/67C/67
4000K	90	465.60	931.20	97	F	52/67C/67
6500K	90	480.00	960.00	100	F	52/67C/67

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4652$ $y=0.4220$ $u'=0.2608$ $v'=0.5324$
 CCT=2714K(Duv=0.0037) Dominant WL:Ld =583.0nm WL:Lc = --nm Purity=66.3%
 Ratio:R=26.1% G=71.7% B=2.2% Peak WL:Lp=630.4nm FWHM=149.3nm
 Render Index:Ra=93.2 TM30:Rf=92 Rg=97

R1 =93	R2 =95	R3 =96	R4 =94	R5 =92	R6 =94	R7 =95		
R8 =86	R9 =66	R10=87	R11=95	R12=77	R13=94	R14=97	R15=89	

Photo Parameters:

Flux = 414.7 lm Eff. : 86.02 lm/W Fe = 1.488 W

Electrical parameters:

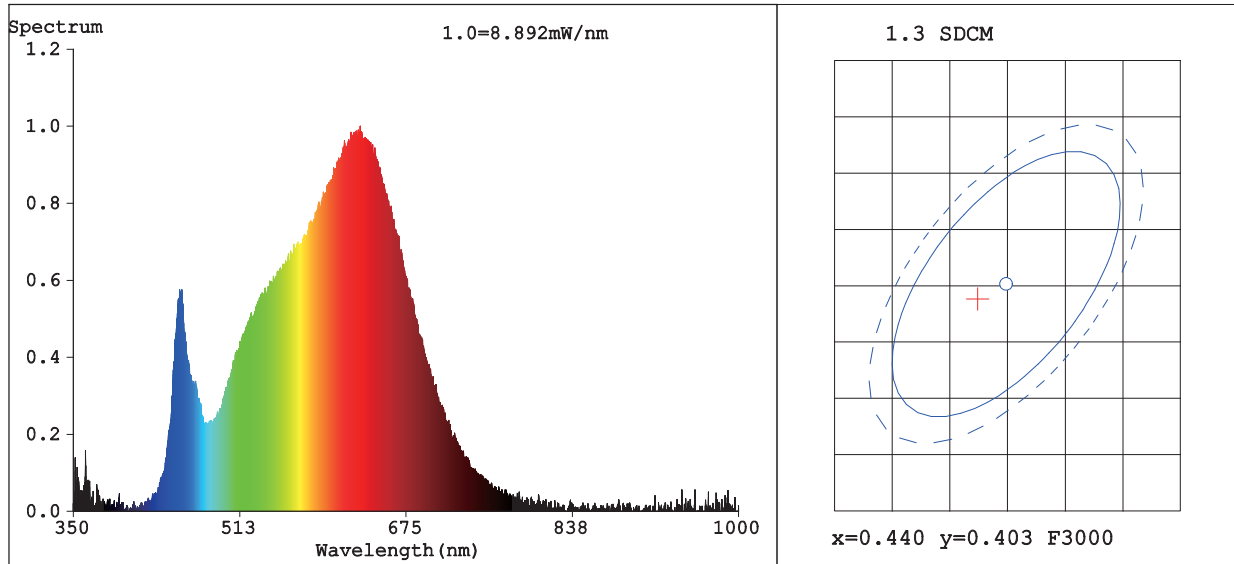
V = 23.999 V I = 0.2009 A P = 4.821 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 594 (1%)

Model: 70D 2835
 Tester:
 Temperature: Deg
 Manufacturer:

Number: 2700K
 Date: 2022-04-13 11:19:07
 Humidity: %
 Remarks: 0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4375 y=0.4017/u'=0.2520 v'=0.5205

CCT=2971K(Duv=-0.0010) Dominant WL:Ld =583.3nm WL:Lc = --nm Purity=51.9%

Ratio:R=24.8% G=72.4% B=2.9% Peak WL:Lp=630.4nm FWHM=164.1nm

Render Index:Ra=95.0 TM30:Rf=93 Rg=101

R1 =96	R2 =98	R3 =97	R4 =95	R5 =95	R6 =96	R7 =95	
R8 =89	R9 =75	R10=92	R11=95	R12=79	R13=97	R14=97	R15=94

Photo Parameters:

Flux = 418.9 lm Eff. : 87.02 lm/W Fe = 1.517 W

Electrical parameters:

V = 23.999 V I = 0.2006 A P = 4.814 W PF = 1.000

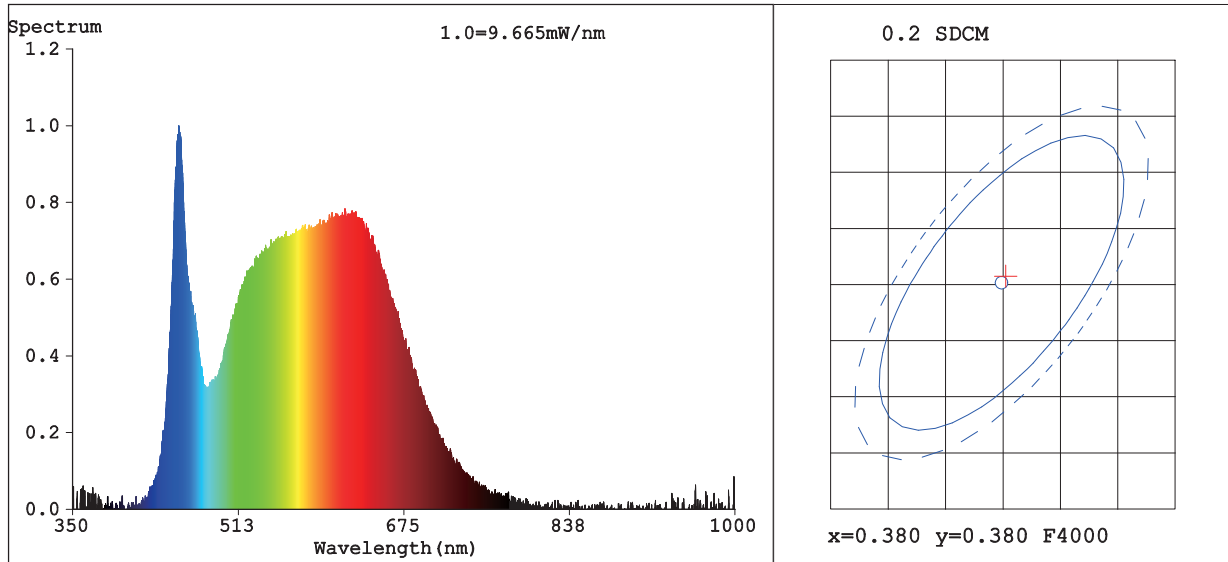
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 574 (1%)

Model:70D 2835
 Tester:
 Temperature:Deg
 Manufacturer:

Number:3000K
 Date:2022-04-13 11:20:31
 Humidity:%
 Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3803$ $y=0.3806$ $u'=0.2235$ $v'=0.5033$
 CCT=4031K(Duv=0.0018) Dominant WL:Ld =578.0nm WL:Lc = --nm Purity=28.4%
 Ratio:R=19.4% G=76.4% B=4.1% Peak WL:Lp=454.1nm FWHM=23.6nm
 Render Index:Ra=92.4 TM30:Rf=91 Rg=98

R1 =93	R2 =95	R3 =95	R4 =91	R5 =91	R6 =91	R7 =95	
R8 =88	R9 =68	R10=86	R11=91	R12=65	R13=93	R14=97	R15=91

Photo Parameters:

Flux = 469.9 lm Eff. : 97.08 lm/W Fe = 1.605 W

Electrical parameters:

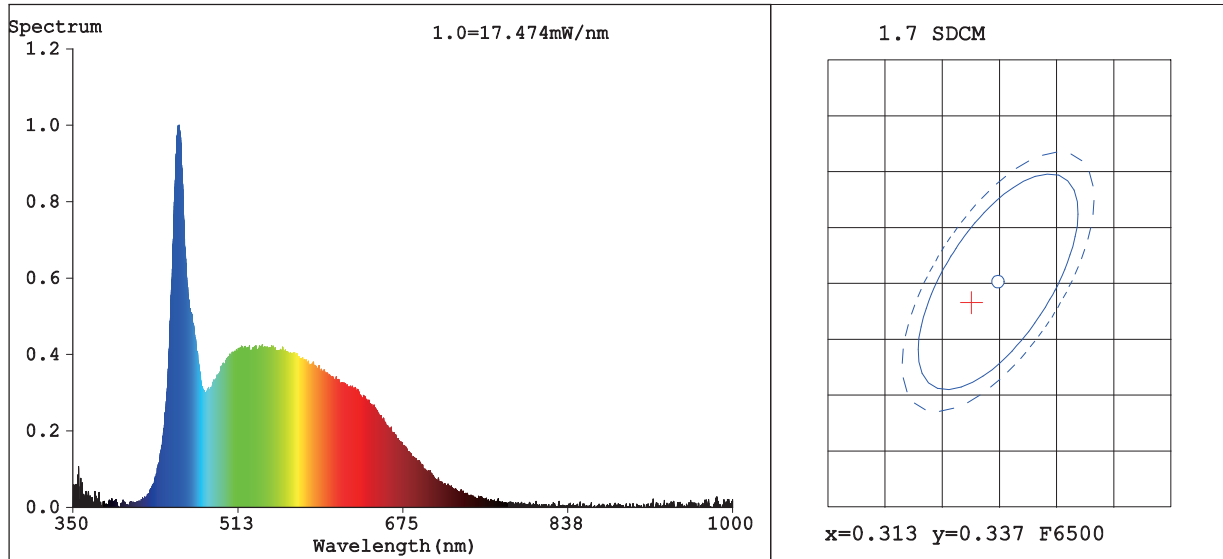
V = 23.999 V I = 0.2017 A P = 4.841 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 518 (1%)

Model : 70D 2835
 Tester:
 Temperature:Deg
 Manufacturer:

Number:4000K
 Date:2022-04-13 11:21:18
 Humidity:%
 Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3107 y=0.3351/u'=0.1942 v'=0.4713
 CCT=6567K(Duv=0.0073) Dominant WL:Ld =492.7nm WL:Lc = --nm Purity=7.5%
 Ratio:R=14.2% G=78.9% B=6.9% Peak WL:Lp=454.5nm FWHM=21.3nm
 Render Index:Ra=91.0 TM30:Rf=89 Rg=95

R1 =90	R2 =96	R3 =97	R4 =87	R5 =89	R6 =93	R7 =92	
R8 =84	R9 =57	R10=90	R11=89	R12=64	R13=93	R14=99	R15=87

Photo Parameters:

Flux = 486.0 lm Eff. : 100.86 lm/W Fe = 1.709 W

Electrical parameters:

V = 23.998 V I = 0.2008 A P = 4.819 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 860 (1%)

Model: 70D 2835
 Tester:
 Temperature: Deg
 Manufacturer:

Number: 6500K
 Date: 2022-04-13 11:22:08
 Humidity: %
 Remarks: 0.5M