



## ErP LED STRIP SPECIFICATION

24V 4.8W CRI90 2835 70LED/M IP52/67 F/G

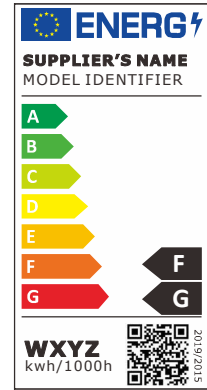
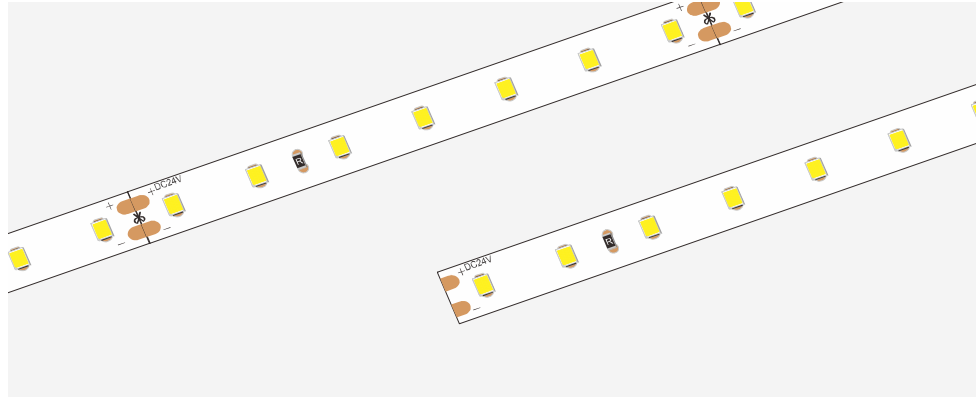


Note: LEDYI may change product specifications and installation guidance without prior notice.

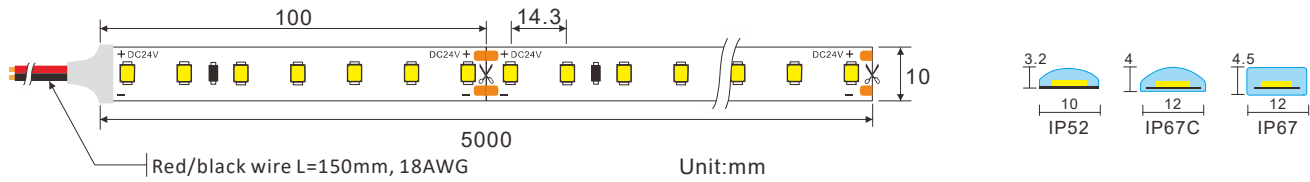
# 24V 4.8W CRI90 2835 70LED/M IP52/67 F/G



Part Number: LY70-S2835W27-W24-4.8W-Ra90-IP52-ErP  
 W27/W30/W40/W65 IP67C/IP67



## Dimensions & Waterproof



## Product Specification

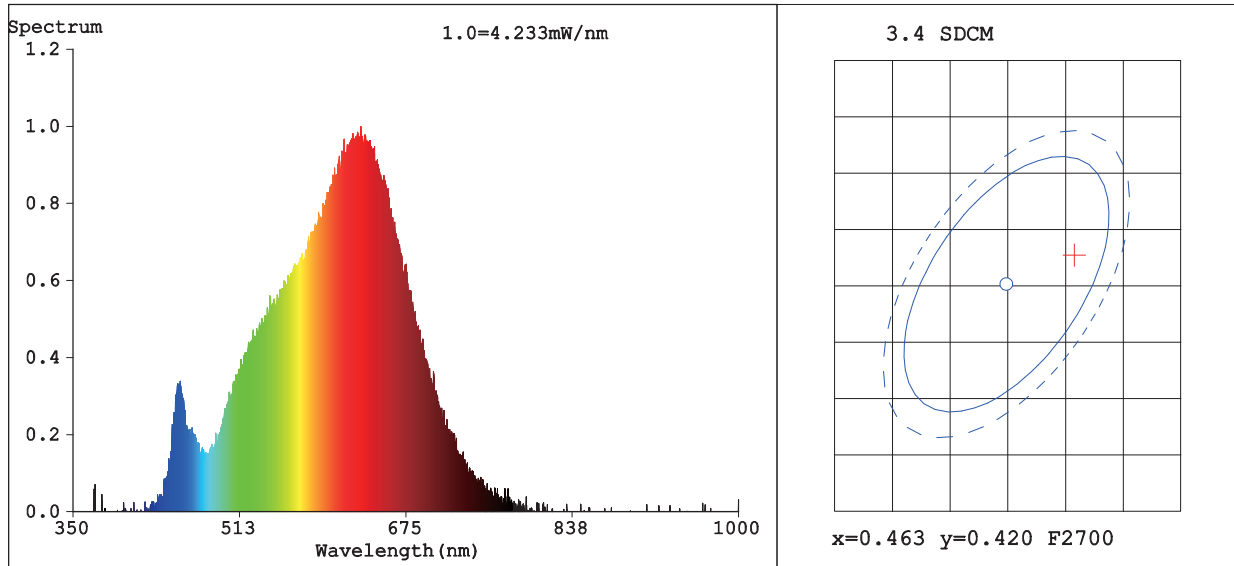
Max.Length	5000mm
Chip Type	2835SMD
Chip Density	70LEDs/m
Step Length	100mm/7LEDs
MacAdam Ellipse	<6
Survival Factor LED	0.9

Voltage(V)	DC24V
Power(W/m)	4.8W
Power(W/0.5m)	2.4W
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	189.60	379.20	79	G	52/67C/67
3000K	90	201.60	403.20	84	G	52/67C/67
4000K	90	220.80	441.60	92	G	52/67C/67
6500K	90	230.40	460.80	96	F	52/67C/67

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.4689$   $y=0.4226$   $u'=0.2629$   $v'=0.5332$   
 CCT=2669K(Duv=0.0036) Dominant WL:Ld =583.3nm WL:Lc = --nm Purity=67.6%  
 Ratio:R=26.5% G=71.4% B=2.1% Peak WL:Lp=631.0nm FWHM=143.1nm  
 Render Index:Ra=93.0 TM30:Rf=92 Rg=97

R1 =93	R2 =95	R3 =95	R4 =94	R5 =92	R6 =94	R7 =95	
R8 =85	R9 =65	R10=87	R11=95	R12=76	R13=93	R14=96	R15=89

#### Photo Parameters:

Flux = 183.2 lm Eff. : 79.70 lm/W Fe = 644.3 mW

#### Electrical parameters:

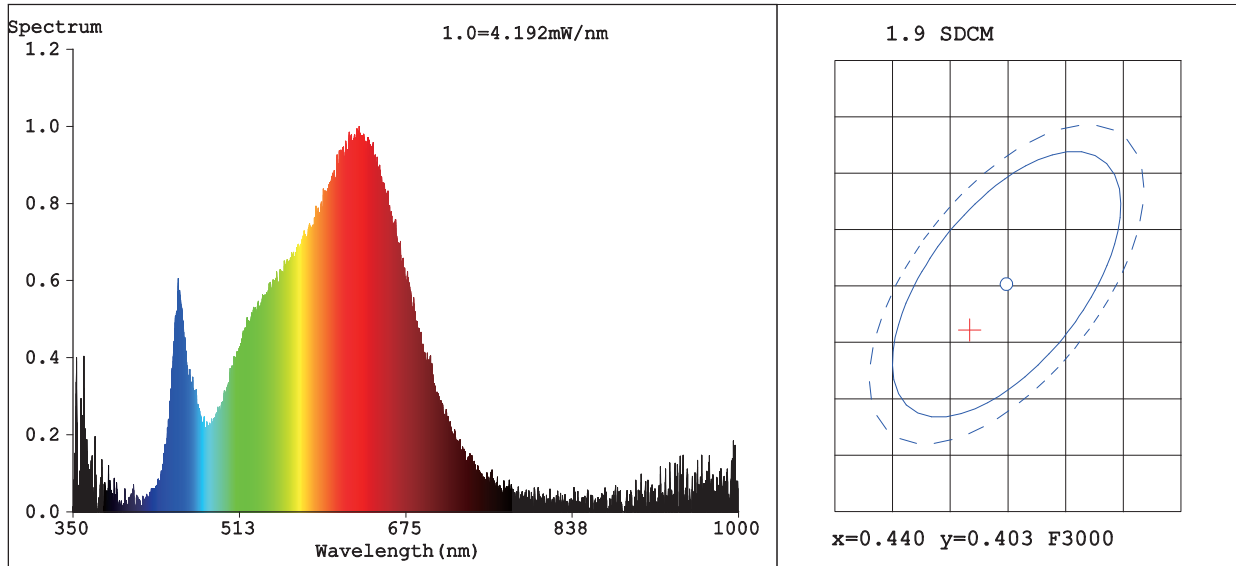
V = 23.999 V I = 0.09580 A P = 2.299 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_2700K

Status: Integral T = 100 ms Ip = 275 (0%)

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

Number:2700K  
 Date:2022-04-13 11:15:20  
 Humidity:%  
 Remarks:0.5M

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate: x=0.4367 y=0.3989/u'=0.2527 v'=0.5193

CCT=2961K(Duv=-0.0020) Dominant WL:Ld =583.7nm WL:Lc = --nm Purity=50.8%

Ratio:R=25.0% G=72.2% B=2.8% Peak WL:Lp=629.7nm FWHM=159.9nm

Render Index:Ra=95.3 TM30:Rf=93 Rg=102

R1 =96	R2 =98	R3 =96	R4 =96	R5 =96	R6 =96	R7 =95	
R8 =90	R9 =77	R10=93	R11=96	R12=81	R13=97	R14=97	R15=94

#### Photo Parameters:

Flux = 194.5 lm Eff. : 84.52 lm/W Fe = 732.9 mW

#### Electrical parameters:

V = 23.999 V I = 0.09590 A P = 2.302 W PF = 1.000

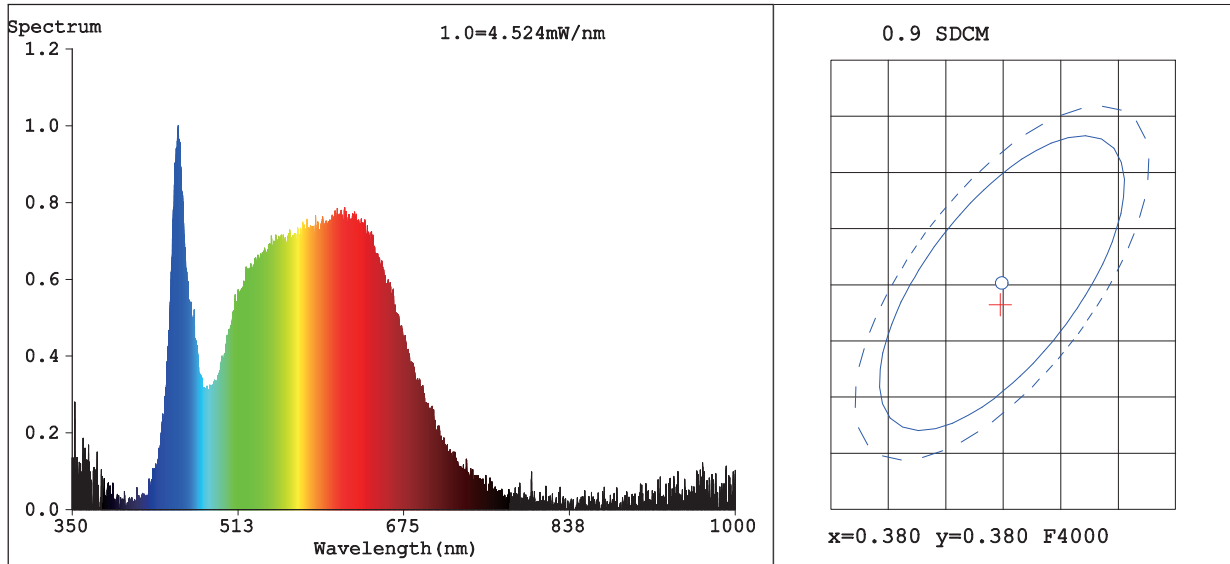
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 100 ms Ip = 271 (0%)

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

Number:3000K  
 Date:2022-04-13 11:14:40  
 Humidity:%  
 Remarks:0.5M

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3798$   $y=0.3781$   $u'=0.2242$   $v'=0.5021$   
 CCT=4026K(Duv=0.0008) Dominant WL:Ld =578.5nm WL:Lc = --nm Purity=27.4%  
 Ratio:R=19.5% G=76.5% B=4.0% Peak WL:Lp=453.8nm FWHM=22.3nm  
 Render Index:Ra=92.3 TM30:Rf=91 Rg=99

R1 =93	R2 =95	R3 =95	R4 =92	R5 =91	R6 =91	R7 =95	
R8 =88	R9 =68	R10=86	R11=91	R12=66	R13=93	R14=97	R15=91

#### Photo Parameters:

Flux = 217.2 lm Eff. : 92.75 lm/W Fe = 763.4 mW

#### Electrical parameters:

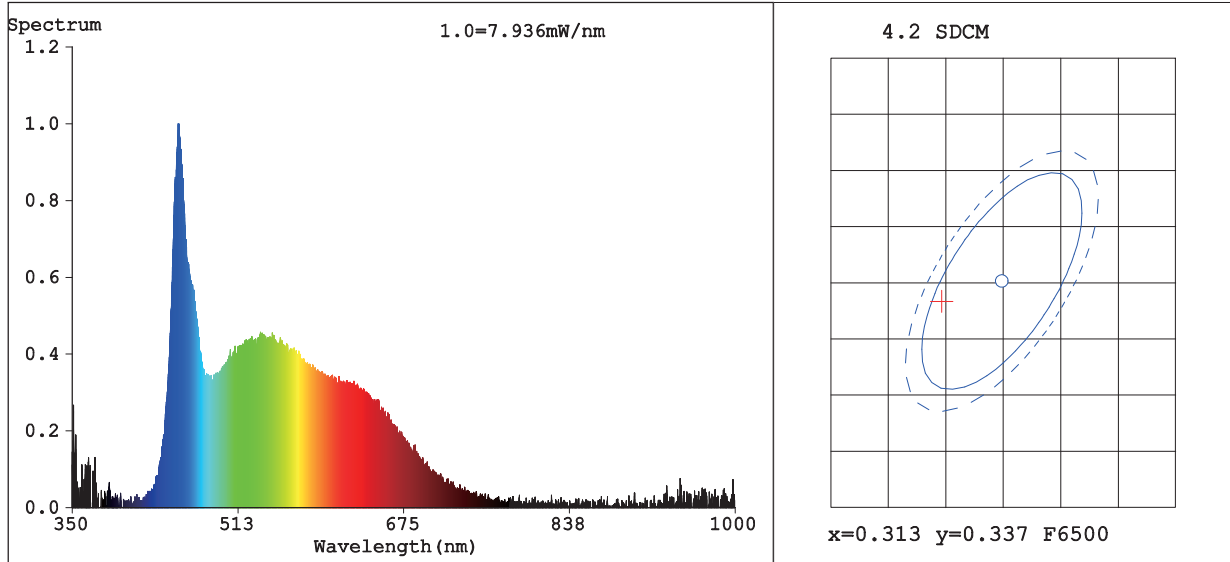
V = 23.999 V I = 0.09760 A P = 2.342 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 100 ms Ip = 246 (0%)

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

Number: 4000K  
 Date: 2022-04-13 11:16:07  
 Humidity: %  
 Remarks: 0.5M

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3077$   $y=0.3352$   $u'=0.1921$   $v'=0.4709$   
 CCT=6723K(Duv=0.0088) Dominant WL:Ld =0.0nm WL:Lc = --nm Purity=1.9%  
 Ratio:R=14.1% G=78.8% B=7.1% Peak WL:Lp=453.8nm FWHM=25.1nm  
 Render Index:Ra=91.0 TM30:Rf=89 Rg=95

R1 =91	R2 =96	R3 =97	R4 =85	R5 =89	R6 =93	R7 =91	
R8 =85	R9 =65	R10=90	R11=86	R12=62	R13=93	R14=99	R15=87

#### Photo Parameters:

Flux = 224.9 lm Eff. : 96.32 lm/W Fe = 809.2 mW

#### Electrical parameters:

V = 23.999 V I = 0.09730 A P = 2.335 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_6500K

Status: Integral T = 100 ms Ip = 394 (1%)M

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

Number: 6500K  
 Date: 2022-04-13 11:16:48  
 Humidity: %  
 Remarks: 0.5M