



ErP LED STRIP SPECIFICATION

24V 9.6W CRI90 2835 70LED/M IP20/65 F/G



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

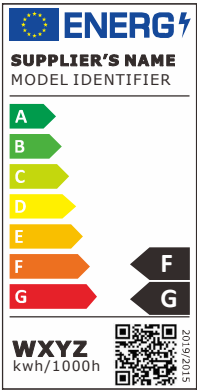
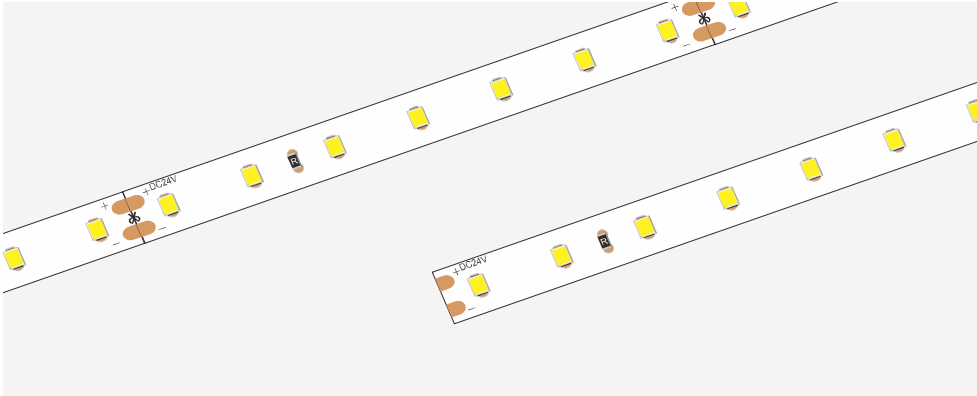
24V 9.6W CRI90 2835 70LED/M IP20/65 F/G



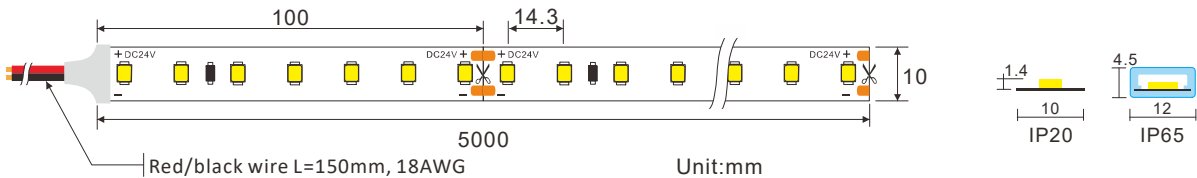
Part Number: LY70-S2835W27-W24-9.6W-Ra90-IP20-ErP

W27/W30/W40/W65

IP20/IP65



Dimensions & Waterproof



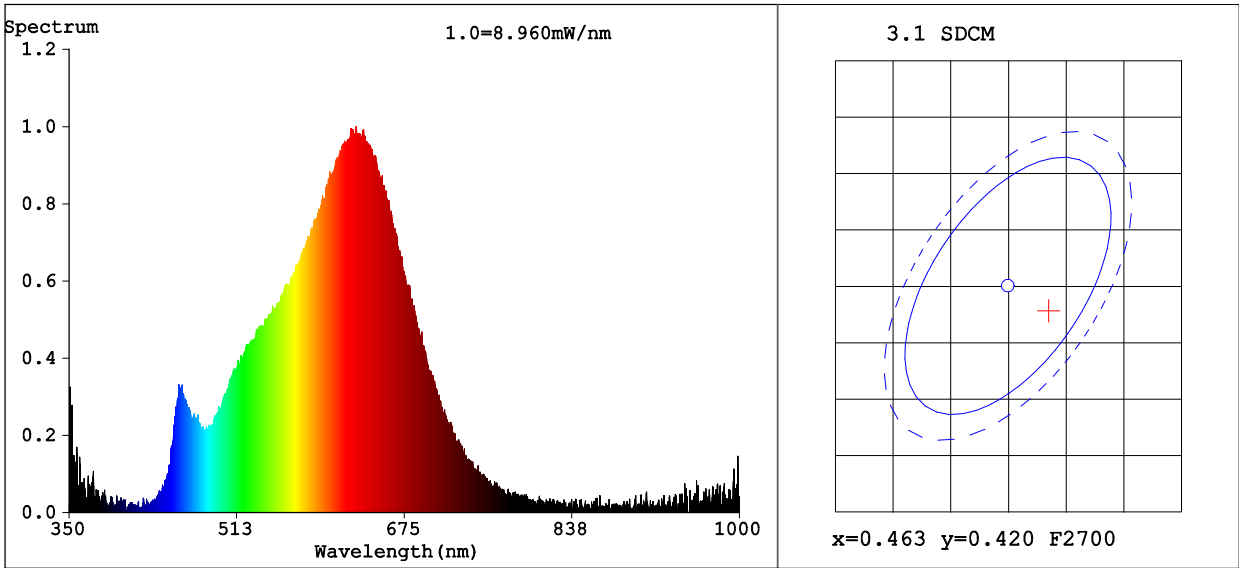
Product Specification

Max.Length	5000mm	Voltage(V)	DC24V
Chip Type	2835SMD	Power(W/m)	9.6W
Chip Density	70LEDs/m	Power(W/0.5m)	4.8W
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	398.40	796.80	83	G	20/65
3000K	90	451.20	902.40	94	G	20/65
4000K	90	446.40	892.80	93	F	20/65
6500K	90	470.40	940.80	98	F	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.4665 y=0.4178/u'=0.2635 v'=0.5311
CCT=2665K(Duv=0.0021) Dominant WL:Ld =583.7nm WL:Lc = --nm Purity=65.4%
Ratio:R=26.9% G=70.5% B=2.6% Peak WL:Lp=628.4nm FWHM=146.6nm
Render Index:Ra=94.9

R1 =96	R2 =98	R3 =100	R4 =94	R5 =95	R6 =98	R7 =93	
R8 =85	R9 =69	R10=95	R11=97	R12=85	R13=96	R14=99	R15=91

Photo Parameters:

Flux = 389.2 lm Eff. : 83.00 lm/W Fe = 1.467 W

Electrical parameters:

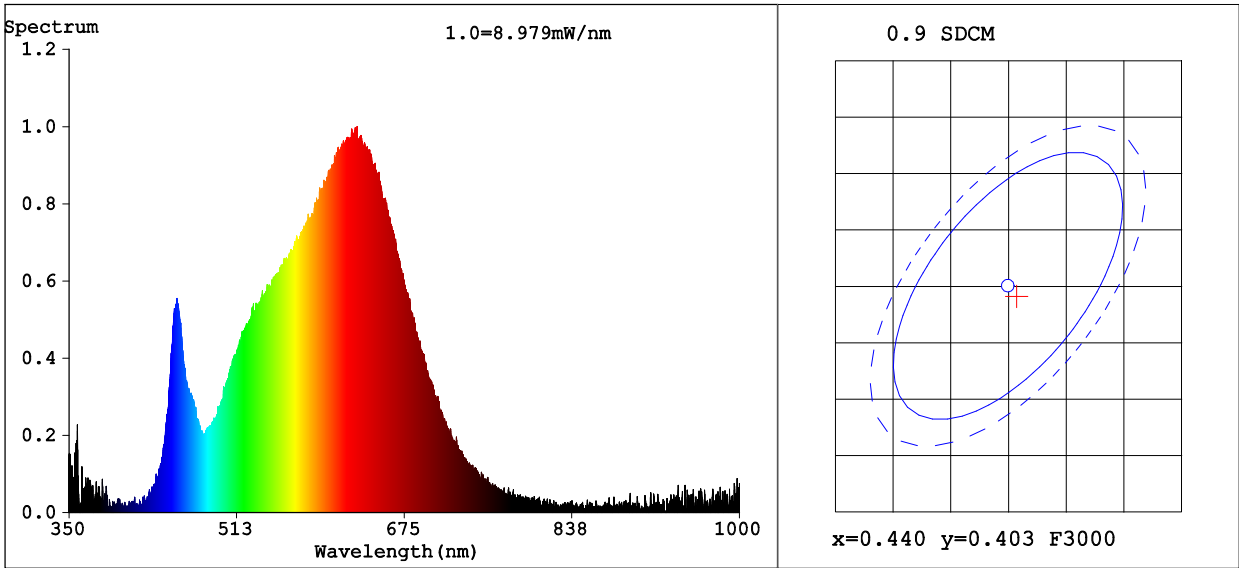
V = 23.999 V I = 0.1954 A P = 4.689 W PF = 1.000
LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 575 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:70D-2700K-40mA-IP20
Date:2022-03-23 16:19:36
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4407$ $y=0.4021$ $u'=0.2539$ $v'=0.5212$
CCT=2920K(Duv=-0.0013) Dominant WL:Ld =583.6nm WL:Lc = --nm Purity=53.0%
Ratio:R=25.0% G=72.3% B=2.7% Peak WL:Lp=629.4nm FWHM=158.5nm
Render Index:Ra=93.8

R1 =95	R2 =97	R3 =97	R4 =94	R5 =94	R6 =95	R7 =94	
R8 =86	R9 =69	R10=91	R11=94	R12=79	R13=95	R14=97	R15=92

Photo Parameters:

Flux = 421.8 lm Eff. : 94.49 lm/W Fe = 1.552 W

Electrical parameters:

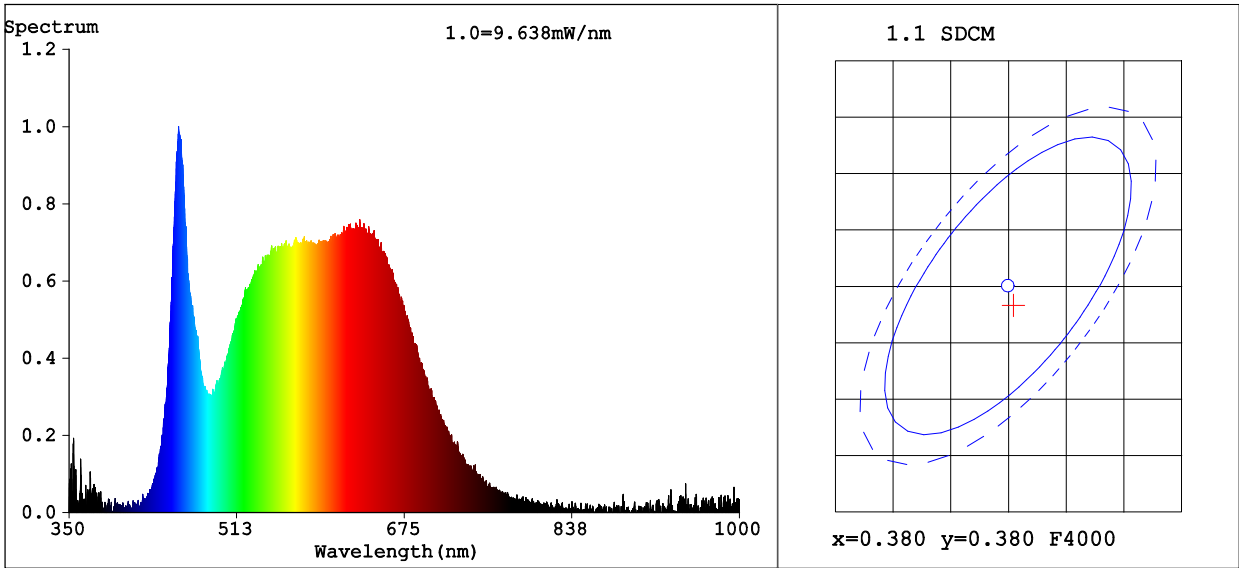
V = 23.999 V I = 0.1860 A P = 4.464 W PF = 1.000
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 578 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:70D-3000K-40mA-IP20
Date:2022-03-23 16:20:41
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3805$ $y=0.3783$ $u'=0.2245$ $v'=0.5023$
CCT=4010K(Duv=0.0007) Dominant WL:Ld =578.6nm WL:Lc = --nm Purity=27.7%
Ratio:R=19.6% G=76.2% B=4.2% Peak WL:Lp=456.2nm FWHM=23.3nm
Render Index:Ra=93.1

R1 =94	R2 =96	R3 =95	R4 =91	R5 =91	R6 =92	R7 =96	
R8 =91	R9 =80	R10=88	R11=89	R12=64	R13=95	R14=97	R15=93

Photo Parameters:

Flux = 447.3 lm Eff. : 93.23 lm/W Fe = 1.627 W

Electrical parameters:

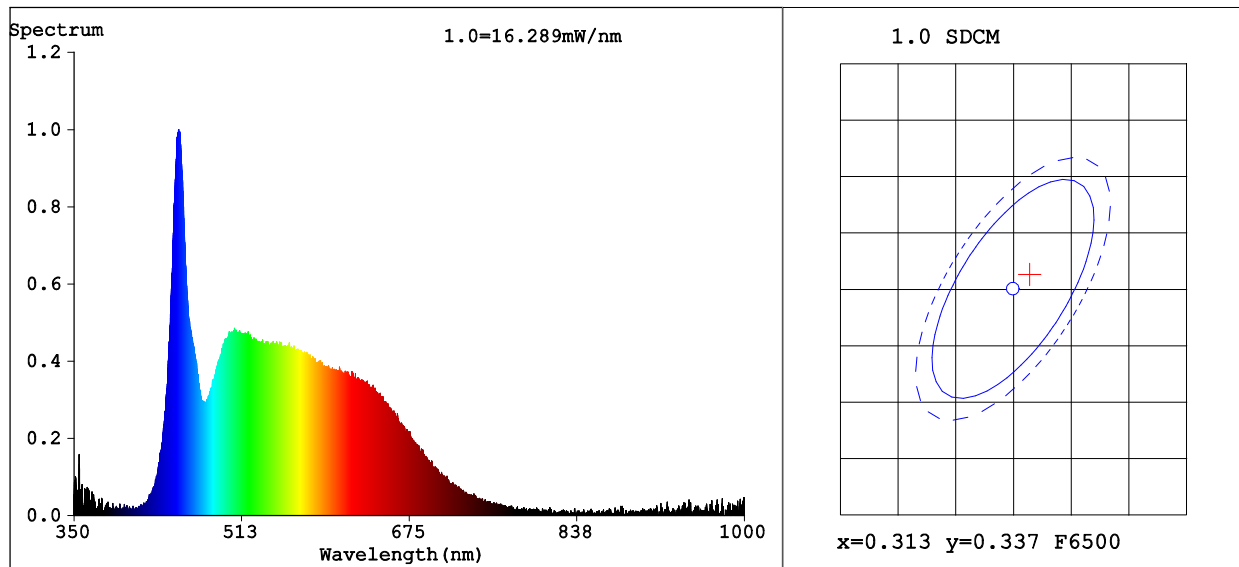
V = 23.999 V I = 0.1999 A P = 4.797 W PF = 1.000
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 502 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:70D-4000K-40mA-IP20
Date:2022-03-23 16:21:32
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3144$ $y=0.3383$ $u'=0.1956$ $v'=0.4735$

CCT=6351K(Duv=0.0070) Dominant WL:Ld =495.1nm WL:Lc = --nm Purity=6.1%

Ratio:R=14.7% G=78.5% B=6.7% Peak WL:Lp=451.4nm FWHM=19.2nm

Render Index:Ra=94.0

R1 =93	R2 =96	R3 =98	R4 =93	R5 =93	R6 =94	R7 =96
R8 =89	R9 =70	R10=92	R11=94	R12=72	R13=94	R14=99 R15=90

Photo Parameters:

Flux = 494.1 lm Eff. : 98.27 lm/W Fe = 1.806 W

Electrical parameters:

V = 23.999 V I = 0.2095 A P = 5.028 W PF = 1.000

LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 773 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:70D-6500K-40mA-IP20
Date:2022-03-23 16:23:15
Humidity:%
Remarks:0.5M