



## ErP LED STRIP SPECIFICATION

24V 19.2W CRI90 2835 210LED/M IP20/65 F/G

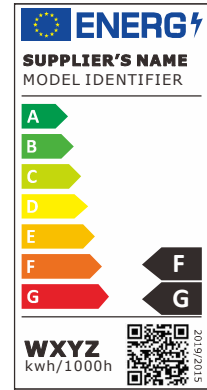
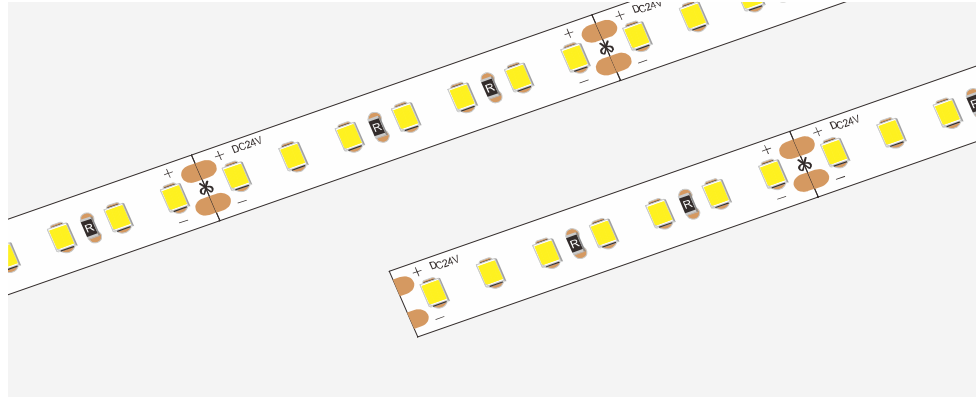


Note: LEDYI may change product specifications and installation guidance without prior notice.

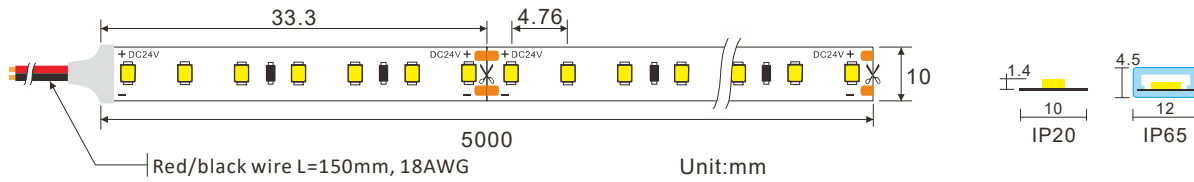
# 24V 19.2W CRI90 2835 210LED/M IP20/65 F/G



Part Number: LY210-S2835 **W27**-W24-19.2W-Ra90-**IP20**-ErP  
 W27/W30/W40/W65 IP20/IP65



## Dimensions & Waterproof



## Product Specification

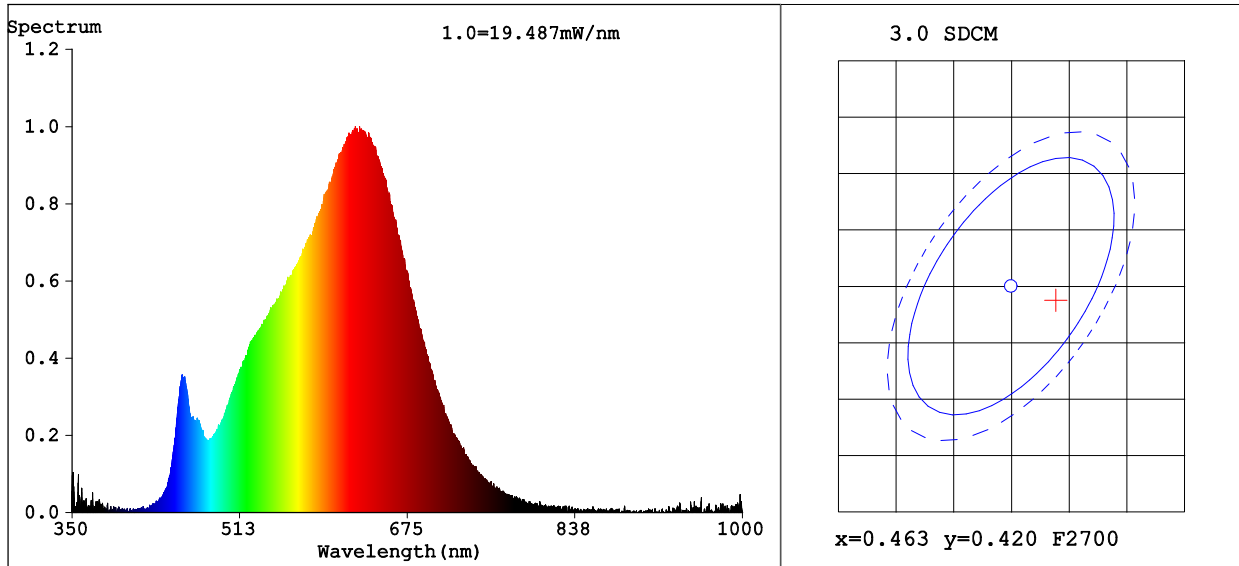
Max.Length	5000mm
Chip Type	2835SMD
Chip Density	210LEDs/m
Step Length	33.3mm/7LEDs
MacAdam Ellipse	<6
Survival Factor LED	0.9

Voltage(V)	DC24V
Power(W/m)	19.2W
Power(W/0.5m)	9.6
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	854.40	1708.80	89	G	20/65
3000K	90	883.20	1766.40	92	G	20/65
4000K	90	912.00	1824.00	95	F	20/65
6500K	90	931.20	1862.40	97	F	20/65

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.4669$   $y=0.4187$  /  $u'=0.2634$   $v'=0.5315$

CCT=2667K(Duv=0.0024) Dominant WL:Ld =583.6nm Purity=65.8%

Ratio:R=26.7% G=71.0% B=2.3% Peak WL:Lp=628.7nm FWHM=144.9nm

Render Index:Ra=93.5 AvgR=90.6

R1 =94	R2 =97	R3 =98	R4 =93	R5 =93	R6 =97	R7 =93	
R8 =84	R9 =65	R10=91	R11=94	R12=79	R13=95	R14=98	R15=90

#### Photo Parameters:

Flux = 865.3 lm Eff. : 89.96 lm/W Fe = 3.126 W

#### Electrical parameters:

V = 23.999 V I = 0.4008 A P = 9.619 W PF = 1.000

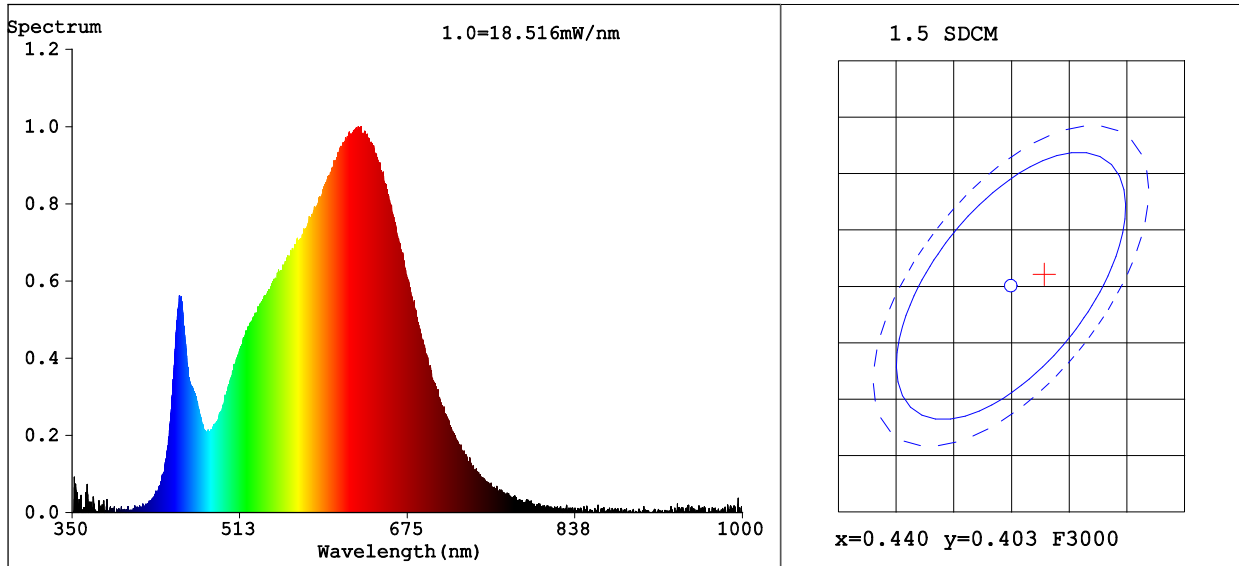
LEVEL:OUT WHITE:ANSI\_2700K

Status: Integral T = 100 ms Ip = 1264 (2%)

Model:  
Tester:  
Temperature:Deg  
Manufacturer:

Number:210D-2700K-26mA-IP20  
Date:2022-04-01 18:40:03  
Humidity:%  
Remarks:0.5M

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.4429$   $y=0.4040$   $u'=0.2544$   $v'=0.5223$

CCT=2902K(Duv=-0.0008) Dominant WL:Ld =583.5nm Purity=54.2%

Ratio:R=25.0% G=72.3% B=2.7% Peak WL:Lp=630.3nm FWHM=158.4nm

Render Index:Ra=93.6 AvgR=90.8

R1 =94	R2 =97	R3 =97	R4 =93	R5 =93	R6 =95	R7 =93	
R8 =86	R9 =68	R10=91	R11=93	R12=78	R13=95	R14=97	R15=91

#### Photo Parameters:

Flux = 882.1 lm Eff. : 92.82 lm/W Fe = 3.156 W

#### Electrical parameters:

V = 23.998 V I = 0.3960 A P = 9.503 W PF = 1.000

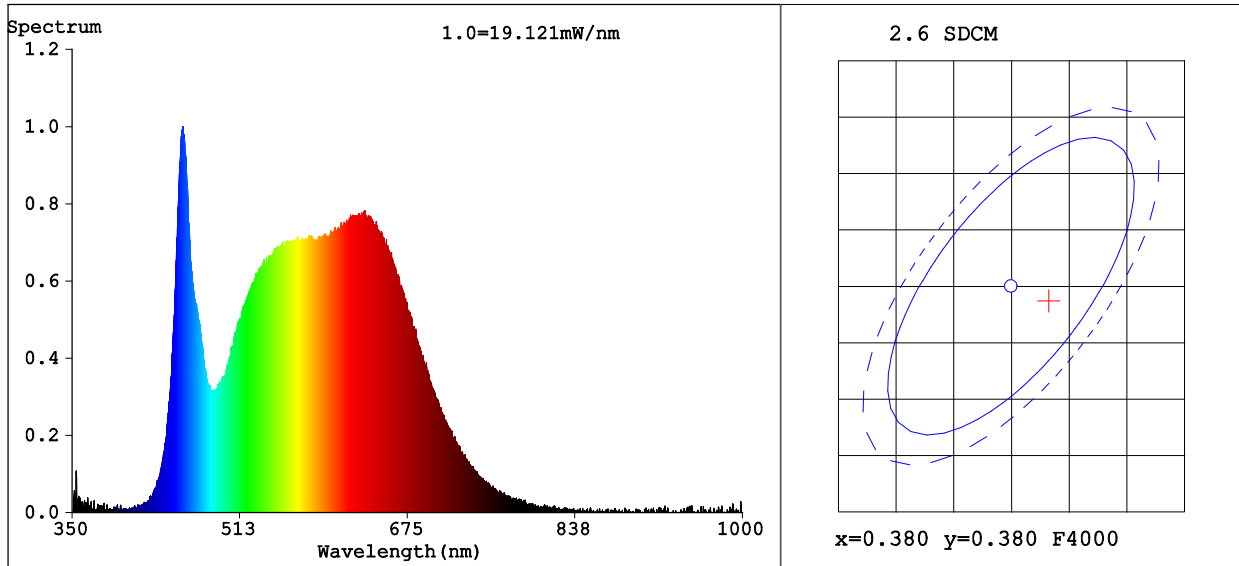
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 100 ms Ip = 1203 (2%)

Model:  
Tester:  
Temperature:Deg  
Manufacturer:

Number:210D-3000K-26mA-IP20  
Date:2022-04-01 18:40:43  
Humidity:%  
Remarks:0.5M

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3833$   $y=0.3787$  /  $u'=0.2262$   $v'=0.5029$

CCT=3938K(Duv=0.0001) Dominant WL:Ld =579.3nm Purity=28.7%

Ratio:R=20.0% G=75.8% B=4.2% Peak WL:Lp=457.5nm FWHM=24.1nm

Render Index:Ra=93.7 AvgR=90.8

R1 =95	R2 =97	R3 =96	R4 =91	R5 =92	R6 =93	R7 =95	
R8 =92	R9 =82	R10=90	R11=90	R12=65	R13=96	R14=97	R15=94

#### Photo Parameters:

Flux = 906.6 lm Eff. : 95.93 lm/W Fe = 3.260 W

#### Electrical parameters:

V = 23.999 V I = 0.3938 A P = 9.451 W PF = 1.000

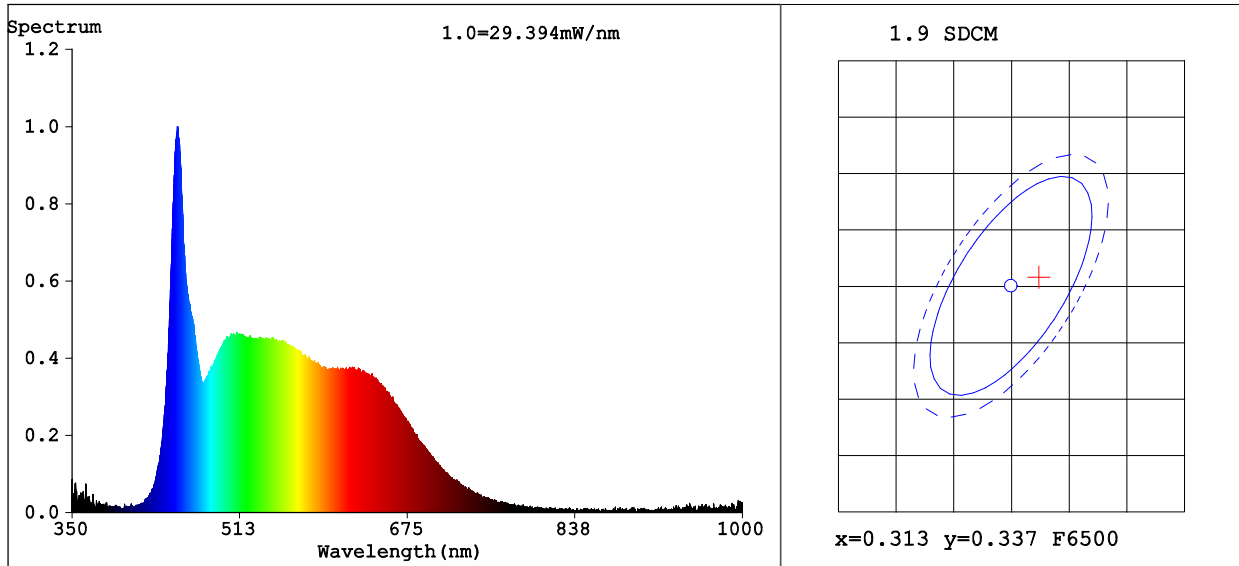
LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 100 ms Ip = 1001 (2%)

Model:  
Tester:  
Temperature:Deg  
Manufacturer:

Number:210D-4000K-26mA-IP20  
Date:2022-04-01 18:42:47  
Humidity:%  
Remarks:0.5M

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3154$   $y=0.3378$  /  $u'=0.1964$   $v'=0.4733$

CCT=6307K(Duv=0.0063) Dominant WL:Ld =494.9nm Purity=5.8%

Ratio:R=15.2% G=77.8% B=7.0% Peak WL:Lp=452.1nm FWHM=22.6nm

Render Index:Ra=95.6 AvgR=93.6

R1 =96	R2 =98	R3 =99	R4 =94	R5 =95	R6 =96	R7 =95	
R8 =93	R9 =86	R10=96	R11=95	R12=71	R13=97	R14=100	R15=93

#### Photo Parameters:

Flux = 891.6 lm Eff. : 97.28 lm/W Fe = 3.323 W

#### Electrical parameters:

V = 23.999 V I = 0.3819 A P = 9.165 W PF = 1.000

LEVEL:OUT WHITE:ANSI\_6500K

Status: Integral T = 100 ms Ip = 1405 (2%)

Model:  
Tester:  
Temperature:Deg  
Manufacturer:

Number:210D-6500K-26mA-IP20  
Date:2022-04-01 18:43:19  
Humidity:%  
Remarks:0.5M