



## ErP LED STRIP SPECIFICATION

TW 24V 14.4W CRI90 2835 160LED/M IP20/65 F

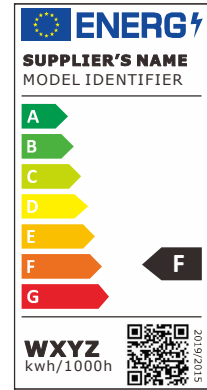
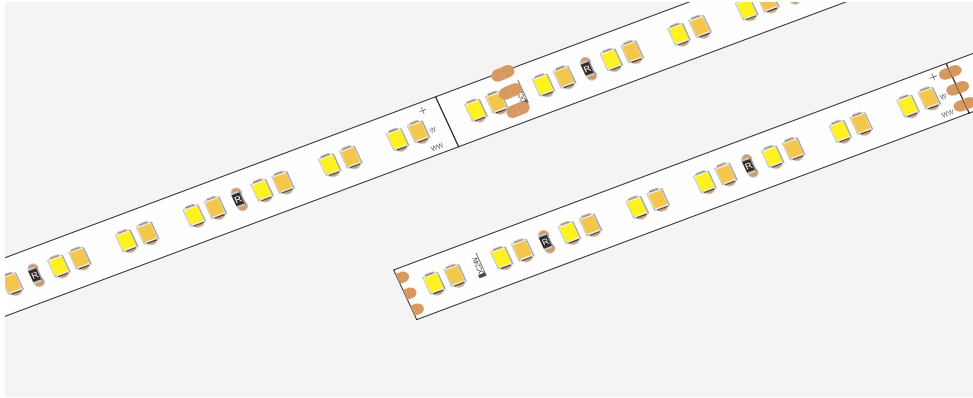


Note: LEDYI may change product specifications and installation guidance without prior notice.

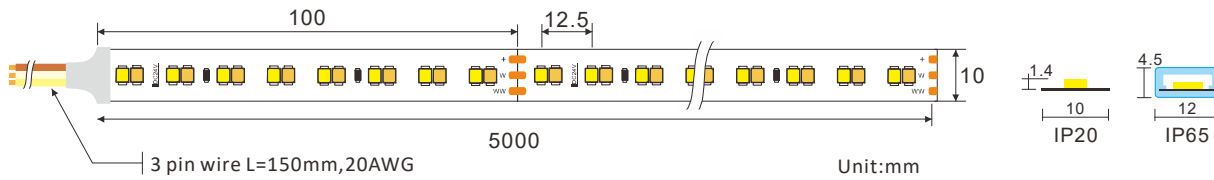
# TW 24V 14.4W CRI90 2835 160LED/M IP20/65 F



Part Number: LY160-S2835TW-W24-14.4W-Ra90-IP20-ErP  
 IP20/IP65



## Dimensions & Waterproof



## Product Specification

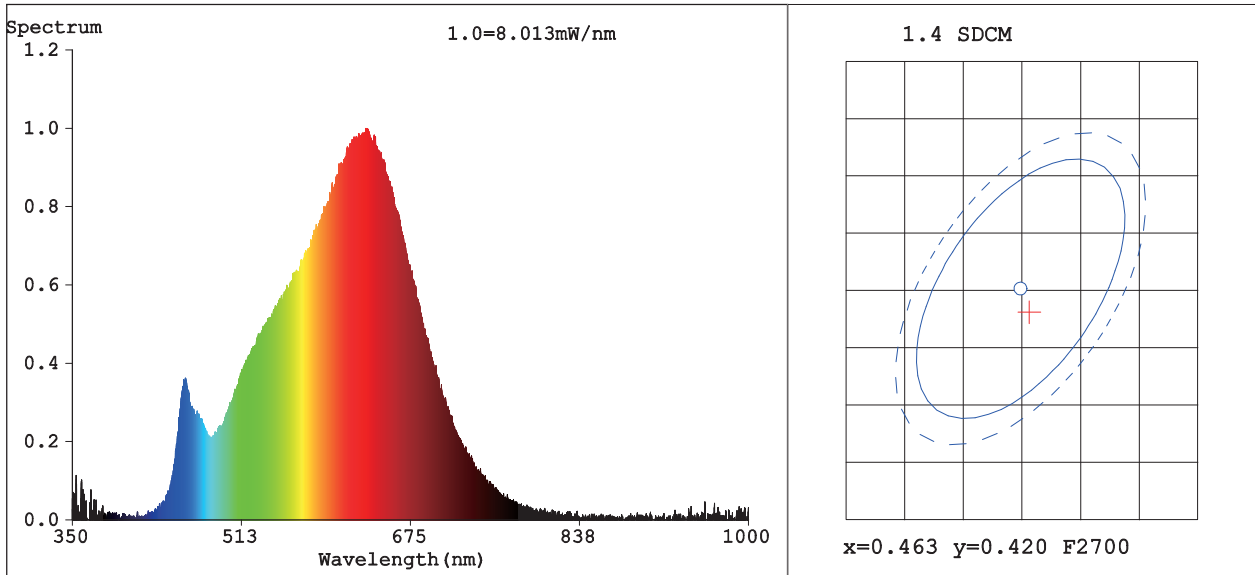
Max.Length	5000mm
Chip Type	2835SMD
Chip Density	160LEDs/m
Step Length	100mm/16LEDs
MacAdam Ellipse	<6
Survival Factor LED	0.9

Voltage(V)	DC24V
Power(W/m)	14.4W
Power(W/0.5m)	7.2W
Beam Angle	120°
Operation Temperature	-20°C~50°C
Lumen Maintenance Factor	0.96

## Product Photometrics

CCT	W/0.5M	LM/0.5M	LM/M	LM/W	Energy Efficiency Class	IP Grade
2700K ONLY	3.6	367.20	734.40	102	F	20/65
6500K ONLY	3.6	414.00	828.00	115	F	20/65

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate: x=0.4637 y=0.4179/u'=0.2617 v'=0.5307

CCT=2703K(Duv=0.0024) Dominant WL:Ld =583.5nm WL:Lc = --nm Purity=64.7%

Ratio:R=26.5% G=71.0% B=2.5% Peak WL:Lp=632.3nm FWHM=150.6nm

Render Index:Ra=94.4 TM30:Rf=91 Rg=96

R1 =95	R2 =98	R3 =99	R4 =93	R5 =94	R6 =98	R7 =93	
R8 =86	R9 =70	R10=93	R11=94	R12=81	R13=96	R14=98	R15=91

#### Photo Parameters:

Flux = 356.0 lm Eff. : 102.18 lm/W Fe = 1.309 W

#### Electrical parameters:

V = 23.998 V I = 0.1452 A P = 3.485 W PF = 1.000

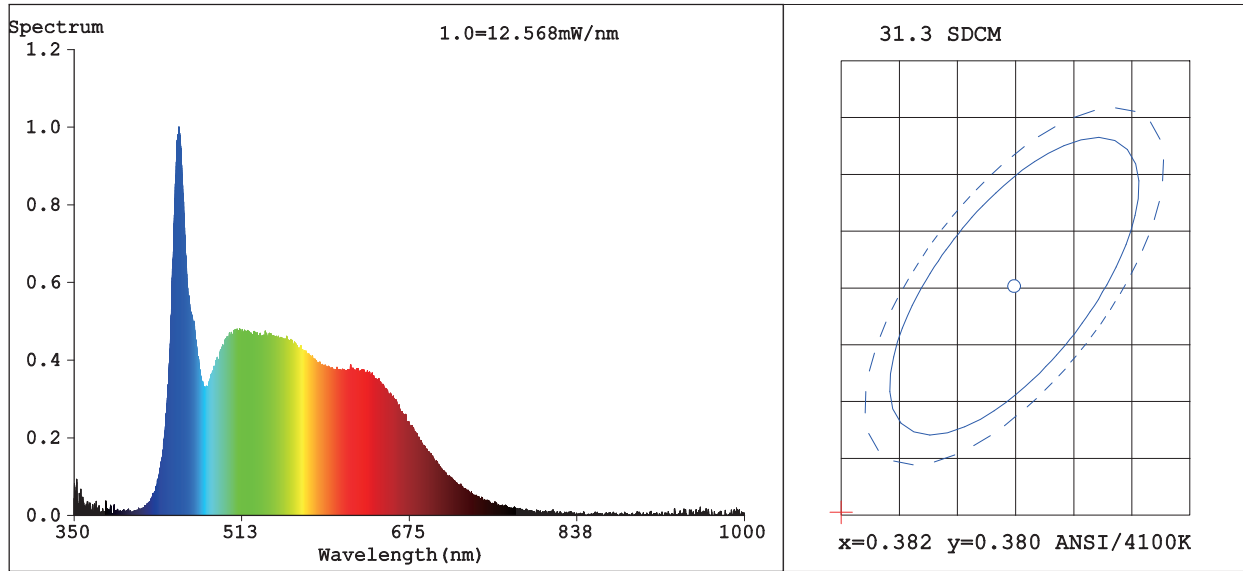
LEVEL:OUT WHITE:ANSI\_2700K

Status: Integral T = 500 ms Ip = 2568 (4%)

Model: 160D 2835  
 Tester: River  
 Temperature: Deg  
 Manufacturer:

Number: 2700K  
 Date: 2022-04-08 16:25:57  
 Humidity: %  
 Remarks: 0.5M

### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3166$   $y=0.3417$   $u'=0.1958$   $v'=0.4755$   
 CCT=6230K(Duv=0.0077) Dominant WL:Ld =498.2nm WL:Lc = --nm Purity=5.2%  
 Ratio:R=15.0% G=78.2% B=6.8% Peak WL:Lp=451.7nm FWHM=22.3nm  
 Render Index:Ra=94.8 TM30:Rf=93 Rg=98

R1 =94	R2 =97	R3 =99	R4 =93	R5 =93	R6 =95	R7 =96	
R8 =92	R9 =80	R10=94	R11=94	R12=71	R13=95	R14=99	R15=92

#### Photo Parameters:

Flux = 389.4 lm Eff. : 115.48 lm/W Fe = 1.421 W

#### Electrical parameters:

V = 23.998 V I = 0.1405 A P = 3.372 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_6500K

Status: Integral T = 500 ms Ip = 2993 (5%)

Model: 160D 2835  
 Tester: River  
 Temperature: Deg  
 Manufacturer:

Number: 6500K  
 Date: 2022-04-08 16:26:50  
 Humidity: %  
 Remarks: 0.5M