



ErP LED STRIP SPECIFICATION

24V 9.6W CRI90 2835 160LED/M IP20/65 F



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

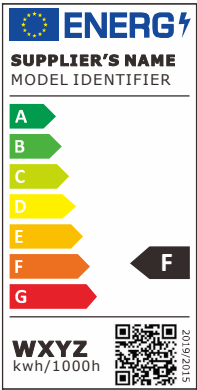
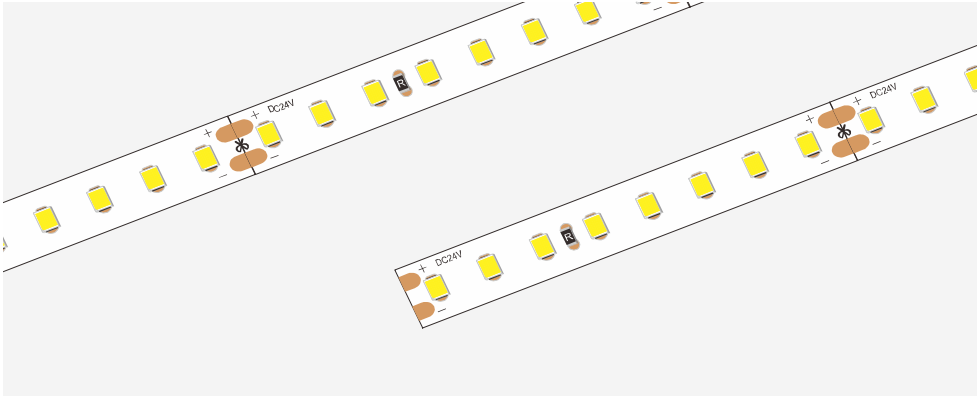
24V 9.6W CRI90 2835 160LED/M IP20/65 F



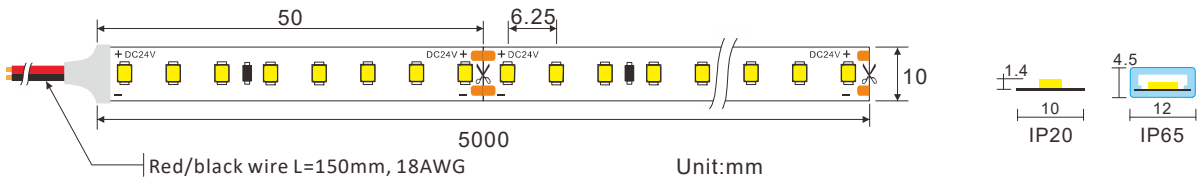
Part Number: LY160-S2835W27-W24-9.6W-Ra90-IP20-ErP

W27/W30/W40/W65

IP20/IP65



Dimensions & Waterproof



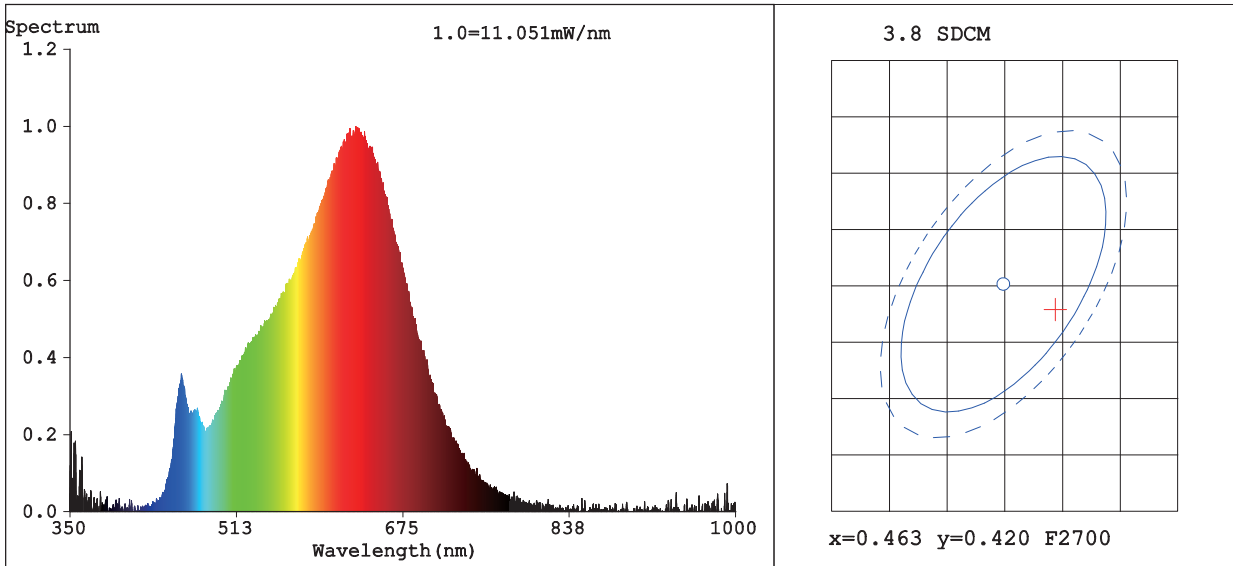
Product Specification

Max.Length	5000mm	Voltage(V)	DC24V
Chip Type	2835SMD	Power(W/m)	9.6W
Chip Density	160LEDs/m	Power(W/0.5m)	4.8W
Step Length	50mm/8LEDs	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	484.80	969.60	101	F	20/65
3000K	90	528.00	1056.00	110	F	20/65
4000K	90	537.60	1075.20	112	F	20/65
6500K	90	556.80	1113.60	116	F	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.4675 y=0.4178/u'=0.2642 v'=0.5312
CCT=2651K(Duv=0.0020) Dominant WL:Ld =583.8nm WL:Lc = --nm Purity=65.7%
Ratio:R=27.1% G=70.3% B=2.6% Peak WL:Lp=629.4nm FWHM=138.3nm
Render Index:Ra=95.0

R1 =96	R2 =99	R3 =99	R4 =94	R5 =95	R6 =98	R7 =92	
R8 =86	R9 =71	R10=97	R11=97	R12=84	R13=97	R14=99	R15=92

Photo Parameters:

Flux = 477.6 lm Eff. : 101.12 lm/W Fe = 1.758 W

Electrical parameters:

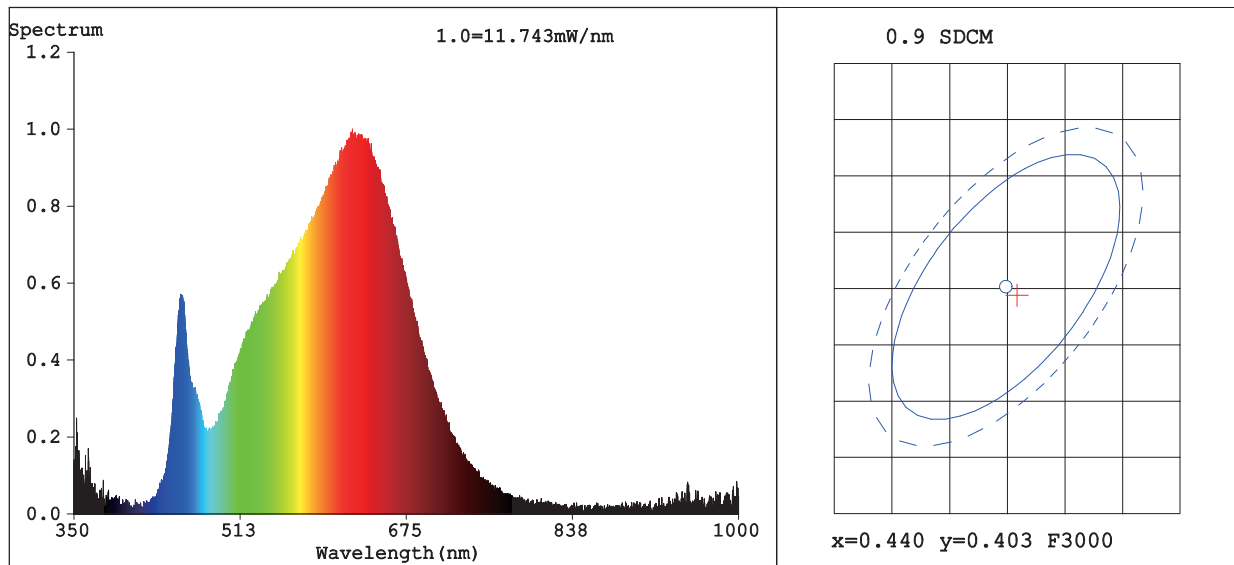
V = 23.999 V I = 0.1968 A P = 4.723 W PF = 1.000
LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 708 (1%)

Model : 202-10017-00
Tester:
Temperature:Deg
Manufacturer :

Number:160D-2700K-20mA-IP20
Date:2022-03-17 13:36:23
Humidity:%
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4410$ $y=0.4023$ $u'=0.2540$ $v'=0.5213$

CCT=2918K(Duv=-0.0012) Dominant WL:Ld =583.6nm WL:Lc = --nm Purity=53.1%

Ratio:R=25.0% G=72.2% B=2.8% Peak WL:Lp=622.5nm FWHM=160.9nm

Render Index:Ra=94.0

R1 =95	R2 =97	R3 =97	R4 =94	R5 =94	R6 =96	R7 =94
R8 =86	R9 =70	R10=92	R11=94	R12=79	R13=96	R14=98 R15=92

Photo Parameters:

Flux = 553.4 lm Eff. : 110.28 lm/W Fe = 2.047 W

Electrical parameters:

V = 23.999 V I = 0.2091 A P = 5.018 W PF = 1.000

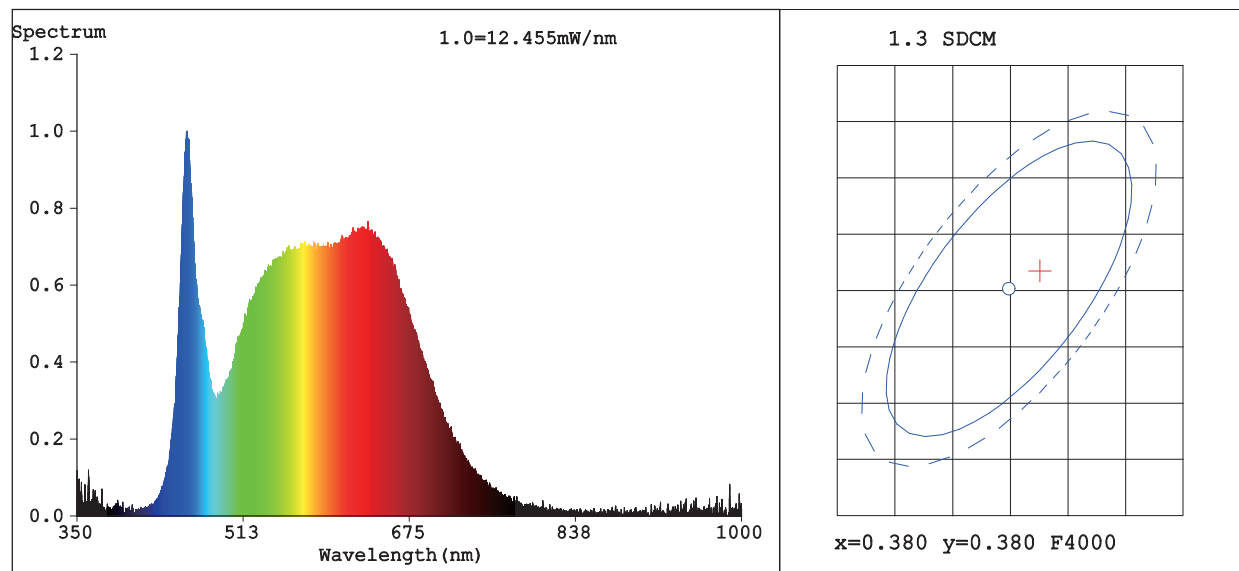
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 763 (1%)Model:202-00312-00

Model: 202-00312-00
Tester:
Temperature: Deg
Manufacturer:

Number: 160D-3000K-20mA-IP20
Date: 2022-03-17 13:37:30
Humidity: %
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3827$ $y=0.3816$ $u'=0.2246$ $v'=0.5040$
CCT=3976K(Duv=0.0016) Dominant WL:Ld =578.3nm WL:Lc = --nm Purity=29.4%
Ratio:R=19.6% G=76.1% B=4.3% Peak WL:Lp=457.9nm FWHM=23.9nm
Render Index:Ra=93.0

R1 =94	R2 =97	R3 =96	R4 =90	R5 =91	R6 =92	R7 =95	
R1 =91	R9 =80	R10=89	R11=88	R12=63	R13=95	R14=97	R15=92

Photo Parameters:

Flux = 580.7 lm Eff. : 112.17 lm/W Fe = 2.104 W

Electrical parameters:

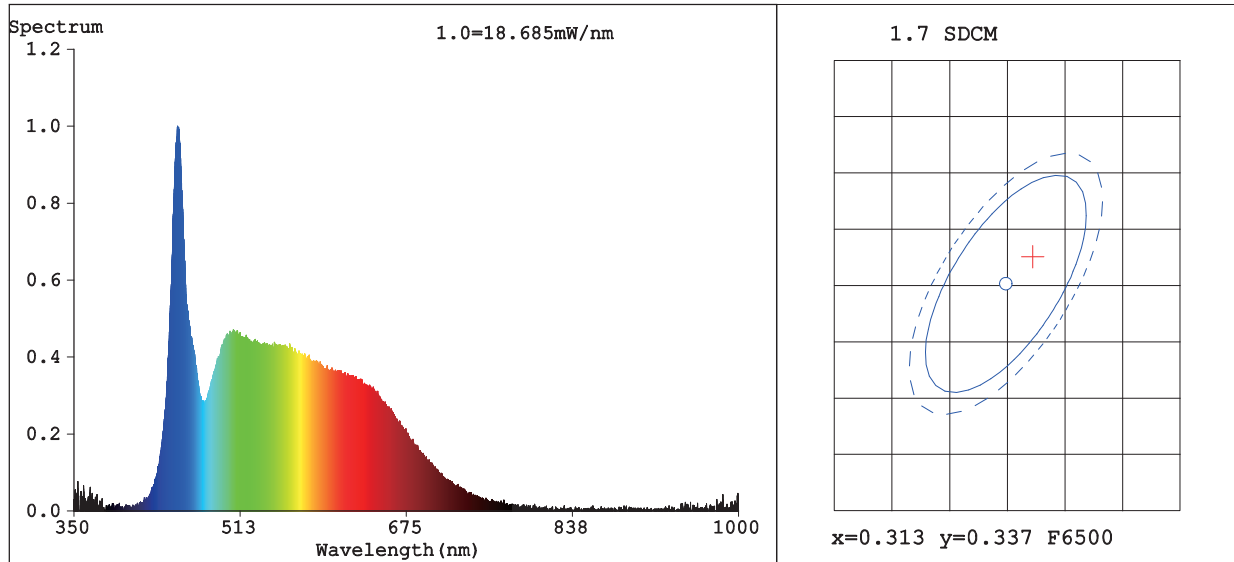
V = 23.999 V I = 0.2157 A P = 5.177 W PF = 1.000
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 646 (1%)Model:202-00032-00

Model : 202-00032-00
Tester:
Temperature:Deg
Manufacturer :

Number:160D-4000K-20mA-IP20
Date:2022-03-17 13:38:32
Humidity:%anufacturer:
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3153$ $y=0.3394$ $u'=0.1958$ $v'=0.4742$

CCT=6302K(Duv=0.0072) Dominant WL:Ld =496.1nm WL:Lc = --nm Purity=5.7%

Ratio:R=14.8% G=78.4% B=6.7% Peak WL:Lp=451.4nm FWHM=18.3nm

Render Index:Ra=94.0

R1 =93	R2 =96	R3 =98	R4 =93	R5 =93	R6 =94	R7 =95
R1 =89	R9 =70	R10=93	R11=94	R12=71	R13=94	R14=99 R15=90

Photo Parameters:

Flux = 549.3 lm Eff. : 116.53 lm/W Fe = 1.978 W

Electrical parameters:

V = 23.999 V I = 0.1964 A P = 4.713 W PF = 1.000

LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 896 (1%)

Model : 202-00487-00
 Tester:
 Temperature:Deg
 Manufacturer:

Number:160D-6500K-20mA-IP20
 Date:2022-03-17 13:39:29
 Humidity:%
 Remarks: