



ErP LED STRIP SPECIFICATION

24V 4.8W CRI80 2835 80LED/M IP20/65 D/E



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

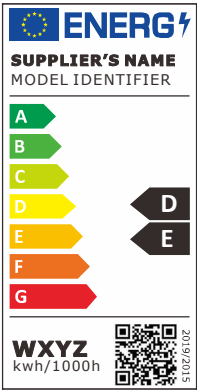
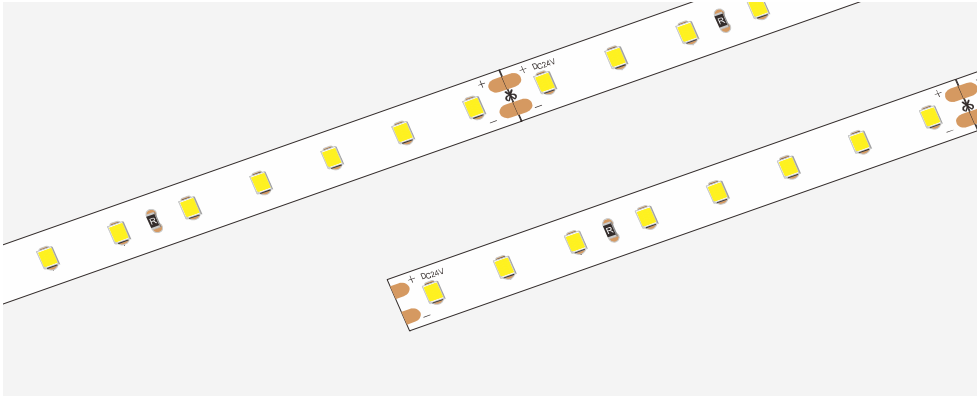
24V 4.8W CRI80 2835 80LED/M IP20/65 D/E



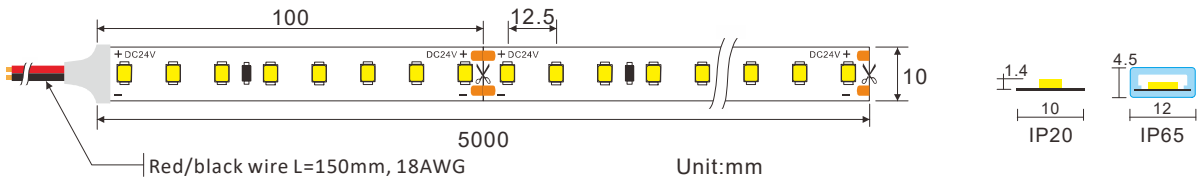
Part Number: LY80-S2835W27-W24-4.8W-Ra80-IP20-ErP

W27/W30/W40/W65

IP20/IP65



Dimensions & Waterproof



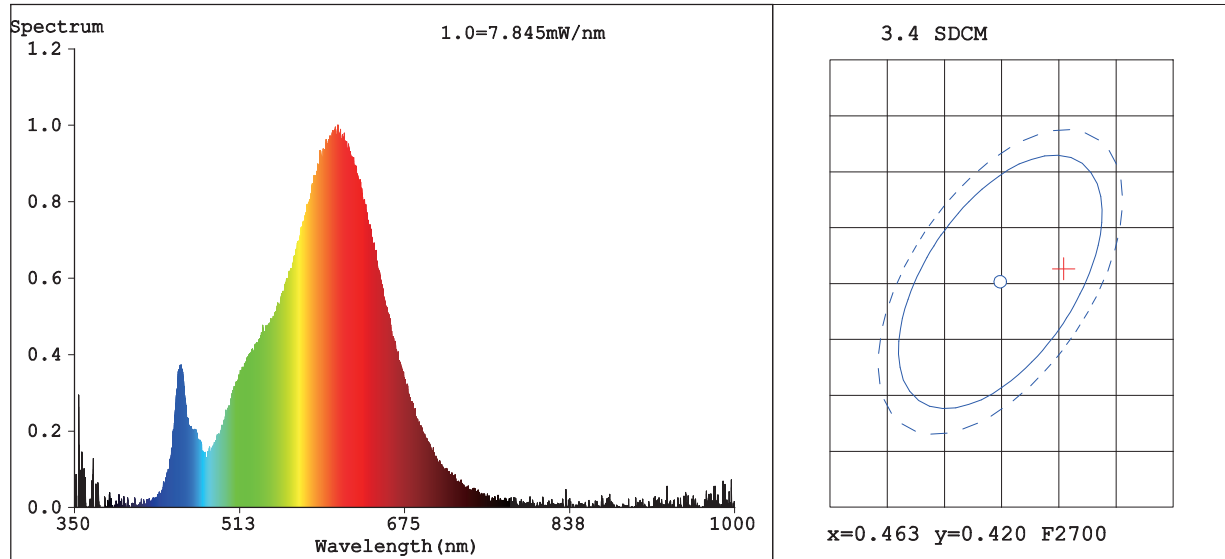
Product Specification

Max.Length	5000mm	Voltage(V)	DC24V
Chip Type	2835SMD	Power(W/m)	4.8W
Chip Density	80LEDs/m	Power(W/0.5m)	2.4W
Step Length	100mm/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	80	331.20	662.40	138	E	20/65
3000K	80	333.60	667.20	139	E	20/65
4000K	80	357.60	715.20	149	D	20/65
6500K	80	352.80	705.60	147	D	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4685$ $y=0.4212$ $u'=0.2633$ $v'=0.5326$

CCT=2663K(Duv=0.0031) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=67.1%

Ratio:R=25.4% G=72.6% B=2.0% Peak WL:Lp=609.3nm FWHM=112.9nm

Render Index:Ra=82.5

R1 =81	R2 =91	R3 =97	R4 =80	R5 =80	R6 =90	R7 =83
R8 =58	R9 =7	R10=80	R11=80	R12=70	R13=83	R14=99
						R15=72

Photo Parameters:

Flux = 346.7 lm Eff. : 138.13 lm/W Fe = 1.059 W

Electrical parameters:

V = 23.999 V I = 0.1046 A P = 2.510 W PF = 1.000

LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 525 (1%)

Model : 202-00488-00

Tester:

Temperature:Deg

Manufacturer:

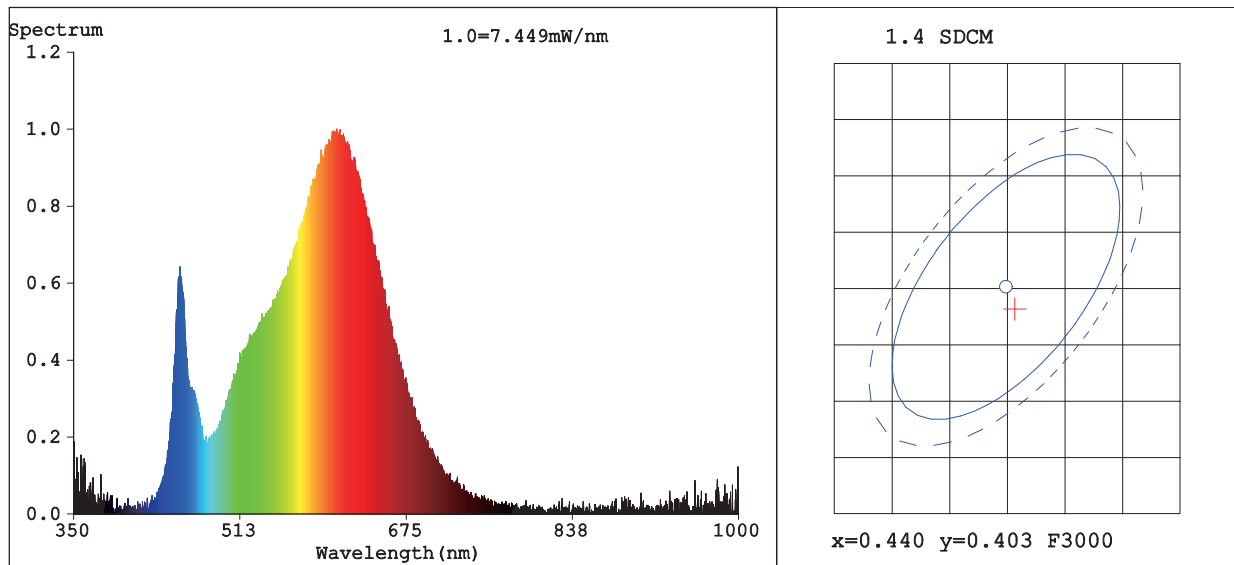
Number:80D-2700K-20mA-IP20

Date:2022-03-17 11:36:14

Humidity:%

Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4408$ $y=0.4010$ $u'=0.2544$ $v'=0.5208$

CCT=2912K(Duv=-0.0017) Dominant WL:Ld =583.8nm WL:Lc = --nm Purity=52.7%

Ratio:R=24.1% G=73.3% B=2.7% Peak WL:Lp=607.4nm FWHM=124.4nm

Render Index:Ra=85.0

R1 =85	R2 =94	R3 =96	R4 =83	R5 =85	R6 =93	R7 =83	
R8 =63	R9 =19	R10=85	R11=83	R12=74	R13=87	R14=99	R15=78

Photo Parameters:

Flux = 348.1 lm Eff. : 139.07 lm/W Fe = 1.104 W

Electrical parameters:

V = 23.999 V I = 0.1043 A P = 2.503 W PF = 1.000

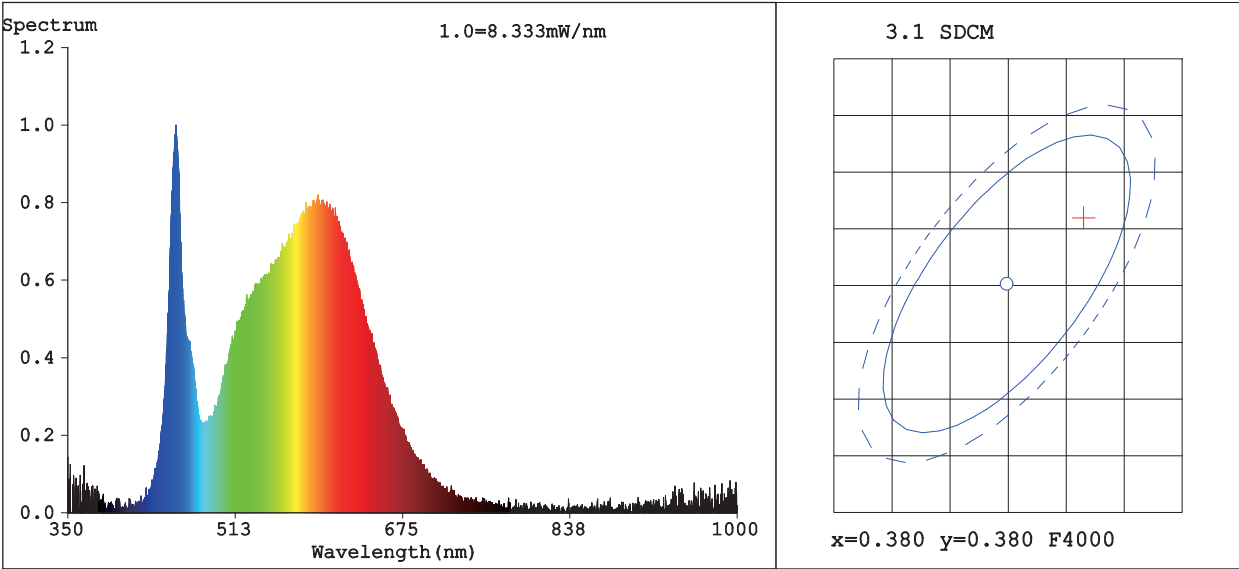
LEVEL:OUT WHITE:ANSI_3000K

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

Model : 202-00489-00
Tester:
Temperature:Deg
Manufacturer:

Number:80D-3000K-20mA-IP20
Date:2022-03-17 11:37:09
Humidity:%
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3867$ $y=0.3859$ $u'=0.2255$ $v'=0.5065$
CCT=3904K(Duv=0.0024) Dominant WL:Ld =578.2nm WL:Lc = --nm Purity=31.8%
Ratio:R=18.4% G=78.1% B=3.5% Peak WL:Lp=455.1nm FWHM=16.3nm
Render Index:Ra=81.9

R1 =80	R2 =89	R3 =95	R4 =79	R5 =79	R6 =85	R7 =85		
R1 =62	R9 =3	R10=74	R11=77	R12=56	R13=83	R14=98	R15=73	

Photo Parameters:

Flux = 379.4 lm Eff. : 149.85 lm/W Fe = 1.154 W

Electrical parameters:

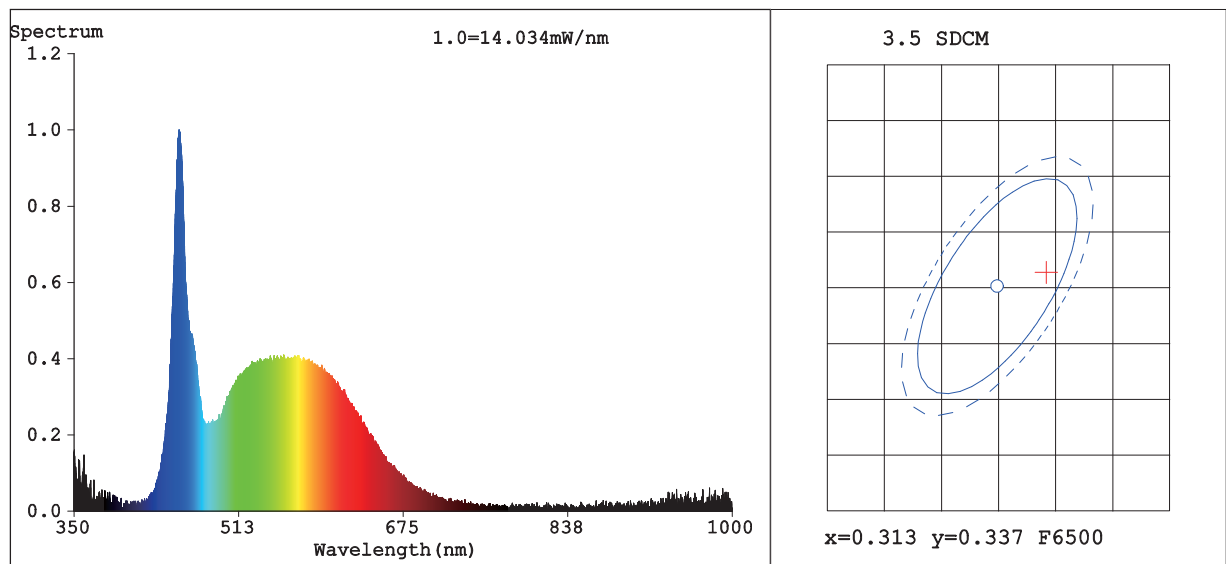
V = 23.999 V I = 0.1055 A P = 2.532 W PF = 1.000
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 475 (1%)

Model : 202-00490-00
Tester:
Temperature:Deg
Manufacturer:

Number:80D-4000K-20mA-IP20
Date:2022-03-17 11:38:03
Humidity:%
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3173$ $y=0.3383$ / $u'=0.1975$ $v'=0.4739$
CCT=6212K(Duv=0.0056) Dominant WL:Ld =495.7nm WL:Lc = --nm Purity=5.1%
Ratio:R=13.8% G=80.3% B=5.8% Peak WL:Lp=453.8nm FWHM=16.2nm
Render Index:Ra=84.4

R1 =83	R2 =91	R3 =94	R4 =82	R5 =82	R6 =86	R7 =88	
R8 =70	R9 =13	R10=77	R11=81	R12=56	R13=85	R14=97	R15=78

Photo Parameters:

Flux = 369.2 lm Eff. : 147.48 lm/W Fe = 1.246 W

Electrical parameters:

V = 23.999 V I = 0.1043 A P = 2.503 W PF = 1.000
LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 687 (1%)

Model : 202-00491-00	Number:80D-6500K-20mA-IP20
Tester:	Date:2022-03-17 11:39:09
Temperature:Deg	Humidity:%
Manufacturer:	Remarks: