



ErP LED STRIP SPECIFICATION

24V 10W CRI90 COB 480Chip/m IP20/65 F/G

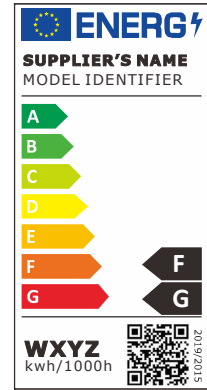
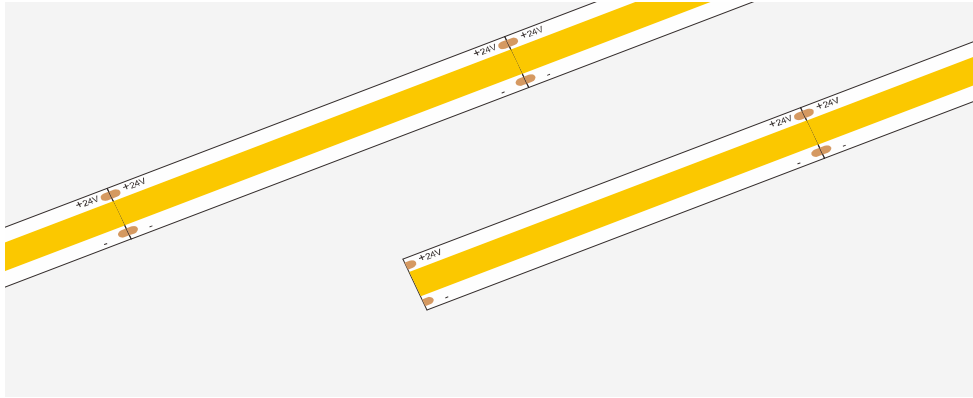


Note: LEDYI may change product specifications and installation guidance without prior notice.

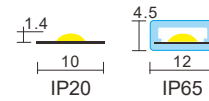
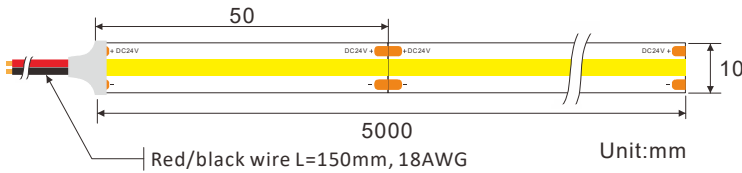
24V 10W CRI90 COB 480Chip/M IP20/65 F/G



Part Number: LY480-COBW27-W24-10W-Ra90-IP20-ErP
 W27/W30/W40/W65 IP20/IP65



Dimensions & Waterproof



Product Specification

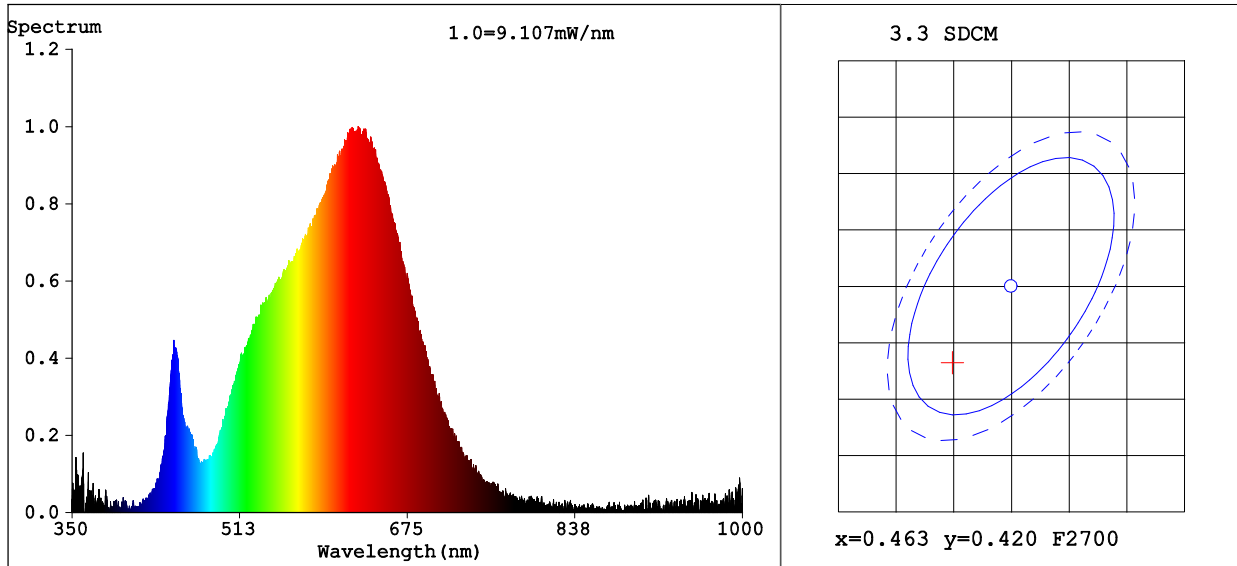
Max.Length	5000mm
Chip Type	COB
Chip Density	480pcs
Step Length	50mm
MacAdam Ellipse	<6
Survival Factor LED	0.9

Voltage(V)	DC24V
Power(W/m)	10W
Power(W/0.5m)	5W
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	415.00	830.00	83	G	20/65
3000K	90	460.00	920.00	92	F	20/65
4000K	90	520.00	1040.00	104	F	20/65
6500K	90	475.00	950.00	95	F	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4579$ $y=0.4132$ $u'=0.2601$ $v'=0.5280$

CCT=2748K(Duv=0.0011) Dominant WL:Ld =583.6nm Purity=61.5%

Ratio:R=25.8% G=72.1% B=2.0% Peak WL:Lp=627.5nm FWHM=154.0nm

Render Index:Ra=91.4

R1 =92	R2 =93	R3 =93	R4 =93	R5 =91	R6 =91	R7 =94	
R8 =84	R9 =62	R10=83	R11=93	R12=76	R13=92	R14=95	R15=89

Photo Parameters:

Flux = 416.6 lm Eff. : 83.06 lm/W Fe = 1.496 W

Electrical parameters:

V = 23.999 V I = 0.2090 A P = 5.016 W PF = 1.000

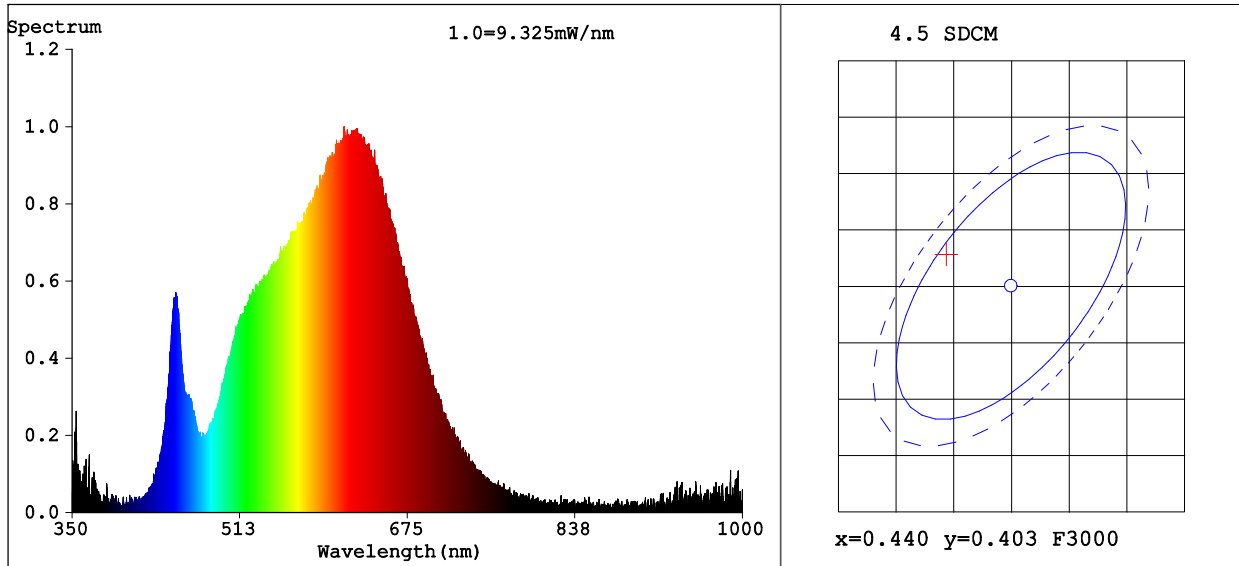
LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 594 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:COB 480LED 24V 2700K
Date:2021-08-17 18:52:00
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4344$ $y=0.4058$ $u'=0.2482$ $v'=0.5217$

CCT=3058K(Duv=0.0010) Dominant WL:Ld =582.2nm Purity=52.2%

Ratio:R=23.8% G=73.5% B=2.7% Peak WL:Lp=613.7nm FWHM=169.7nm

Render Index:Ra=92.7

R1 =93	R2 =95	R3 =96	R4 =94	R5 =92	R6 =94	R7 =94	
R8 =84	R9 =62	R10=87	R11=95	R12=79	R13=93	R14=97	R15=89

Photo Parameters:

Flux = 467.9 lm Eff. : 92.89 lm/W Fe = 1.689 W

Electrical parameters:

V = 23.999 V I = 0.2099 A P = 5.037 W PF = 1.000

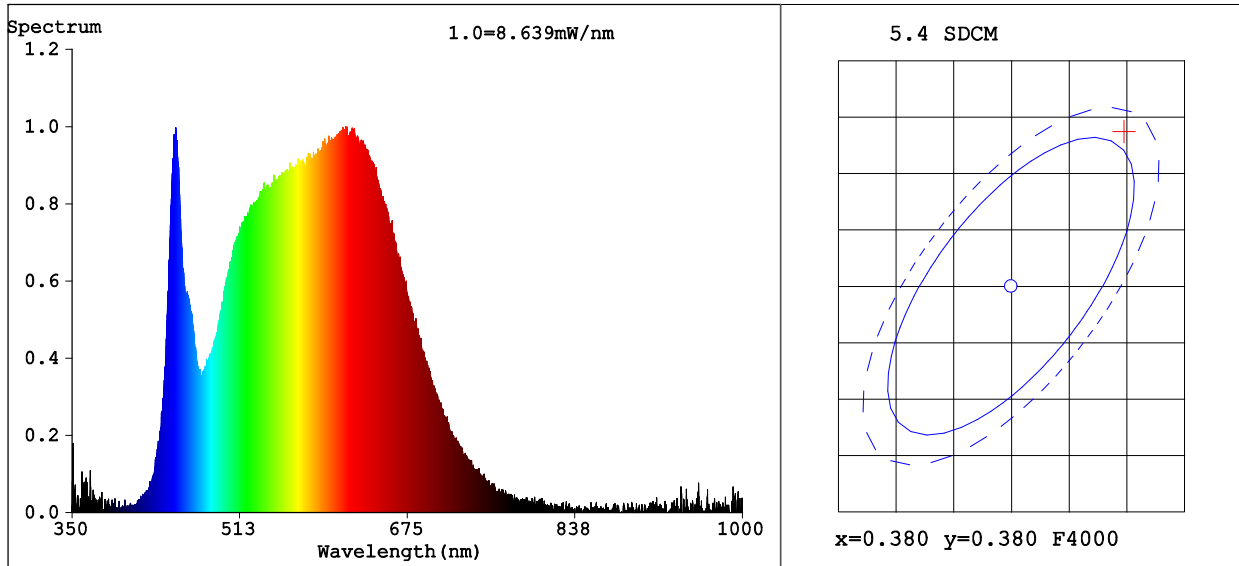
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 627 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:COB 480LED 24V 3000K
Date:2021-08-17 18:53:00
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3898$ $y=0.3937$ / $u'=0.2245$ $v'=0.5102$

CCT=3883K(Duv=0.0051) Dominant WL:Ld =577.2nm Purity=35.1%

Ratio:R=19.7% G=76.5% B=3.8% Peak WL:Lp=615.3nm FWHM=189.2nm

Render Index:Ra=92.2

R1 =92	R2 =94	R3 =95	R4 =93	R5 =91	R6 =91	R7 =96	
R8 =86	R9 =63	R10=85	R11=93	R12=71	R13=92	R14=97	R15=88

Photo Parameters:

Flux = 528.9 lm Eff. : 104.90 lm/W Fe = 1.800 W

Electrical parameters:

V = 23.999 V I = 0.2101 A P = 5.042 W PF = 1.000

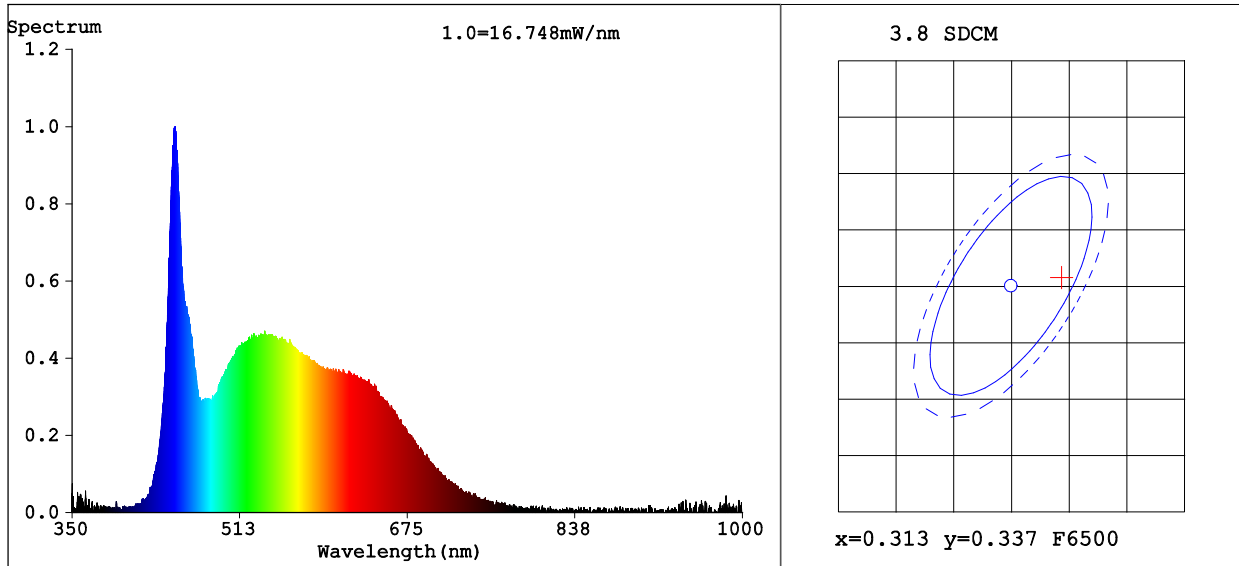
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 588 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:COB 480LED 24V 4000K
Date:2021-08-17 18:53:57
Humidity:%
Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3174 y=0.3378/u'=0.1978 v'=0.4736

CCT=6209K(Duv=0.0053) Dominant WL:Ld =495.3nm Purity=5.1%

Ratio:R=14.9% G=79.0% B=6.0% Peak WL:Lp=450.0nm FWHM=20.4nm

Render Index:Ra=92.2

R1 =92	R2 =93	R3 =93	R4 =92	R5 =91	R6 =89	R7 =96	
R8 =90	R9 =70	R10=83	R11=92	R12=67	R13=92	R14=96	R15=91

Photo Parameters:

Flux = 495.8 lm Eff. : 95.37 lm/W Fe = 1.772 W

Electrical parameters:

V = 23.999 V I = 0.2166 A P = 5.198 W PF = 1.000

LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 817 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:COB 480LED 24V 6500K
Date:2021-08-17 18:54:48
Humidity:%
Remarks:0.5M