



COB10-24V LED Strip

Product Details

Code	COB10 -24V
Warranty	5 Years
RoHS Compliance	IEC 62321:2013
CE Certification	EN 55015:2013/A1:2015 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 61547:2009

Physical Data

PCB Colour	White
PCB Width	10mm
Thickness Including LED	2mm
Cut Points	50mm

Electrical Data

Voltage	24V
Power Consumption	10W/m
Dimmable	Yes (PWM)

Light Data

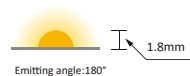
Colour Temperature	3000K	4000K	5000K	6000K
Lumens per Metre	971	1104	1038	1102
LEDs per Metre	480			
Beam Angle	180°			
Colour Rendering Index(CRI)	>90			
LED Type	COB			
LED Manufacturer	SANAN			

Environment

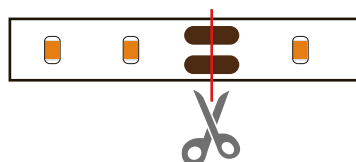
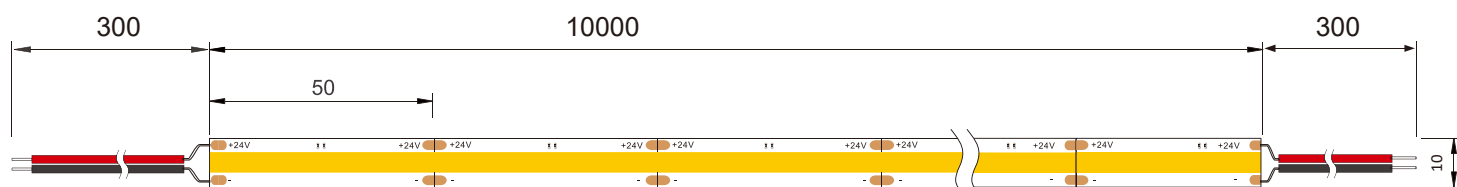
Operating Temperature	-30 ~ 60°C
Ingress Protection (IP) Rating	65

COB10-24V LED Strip

COB 480LEDs/m



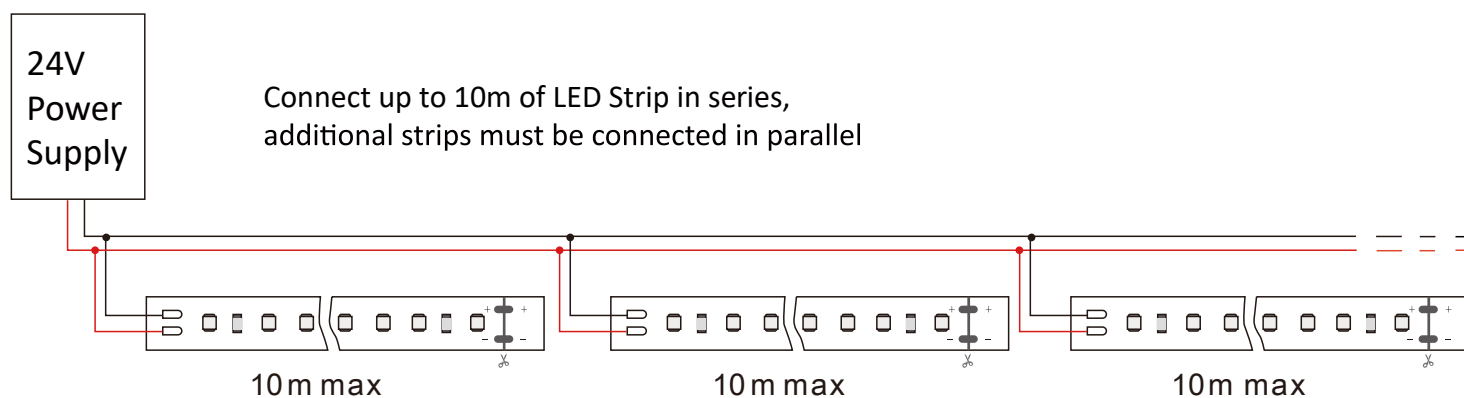
Unit:mm



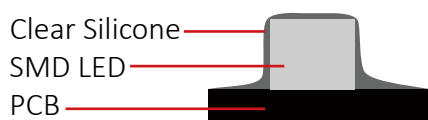
Cut in the centre of the copper or soldered points



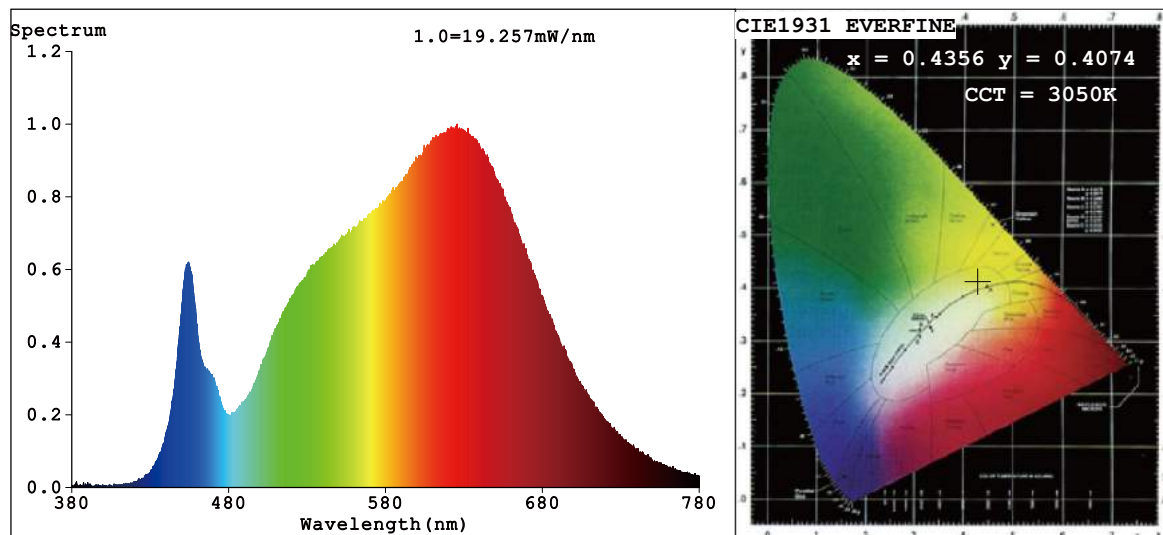
Peel off paper backing to reveal 3m self adhesive



IP65 Silicone Spray Coating



Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4356$ $y=0.4074$ $u'=0.2483$ $v'=0.5225$
 CCT=3050K (Duv=0.0015) Dominant WL:Ld =582.1nm Purity=53.0%
 Ratio:R=23.7% G=73.6% B=2.6% Peak WL:Lp=625.8nm FWHM=165.1nm
 Render Index:Ra=91.8 AvgR=88.1 TM30:Rf=90 Rg=99
 R1 =92 R2 =94 R3 =94 R4 =92 R5 =91 R6 =92 R7 =94
 R8 =84 R9 =62 R10=85 R11=92 R12=71 R13=93 R14=96 R15=89

Photo Parameters:

Flux = 971.1 lm Eff. : 100.98 lm/W Fe = 3.326 W

Electrical parameters:

V = 23.998 V I = 0.4007 A P = 9.616 W PF = 1.000

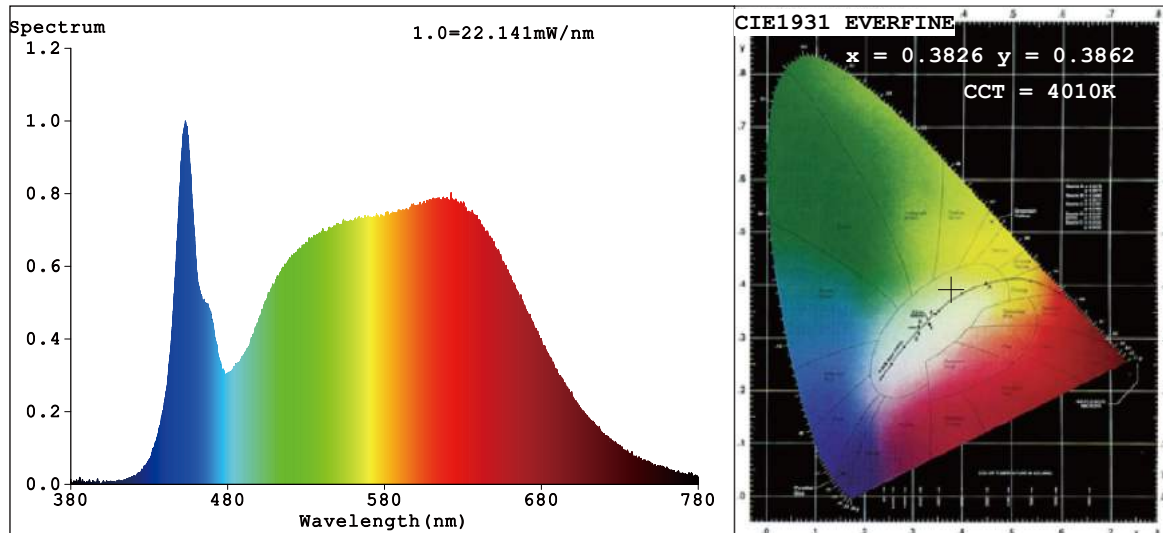
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 1734 (3%)

Model:COB 480D 10MM
 Tester:
 Temperature:Deg
 Manufacturer:

Number:10W 10MM 3000K
 Date:
 Humidity:%
 Remarks:1M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3826$ $y=0.3862$ $u'=0.2228$ $v'=0.5060$
 $CCT=4010K$ ($Duv=0.0037$) Dominant WL: $L_d = 577.2nm$ Purity=30.7%
 Ratio: R=19.3% G=76.7% B=4.0% Peak WL: $L_p=453.1nm$ FWHM=20.5nm
 Render Index: $R_a=91.8$ AvgR=87.8 TM30: $R_f=90$ $R_g=97$
 $R_1 = 92$ $R_2 = 94$ $R_3 = 95$ $R_4 = 91$ $R_5 = 90$ $R_6 = 91$ $R_7 = 95$
 $R_8 = 86$ $R_9 = 64$ $R_{10} = 85$ $R_{11} = 91$ $R_{12} = 65$ $R_{13} = 92$ $R_{14} = 97$ $R_{15} = 89$

Photo Parameters:

Flux = 1104 lm Eff. : 115.46 lm/W $F_e = 3.691 W$

Electrical parameters:

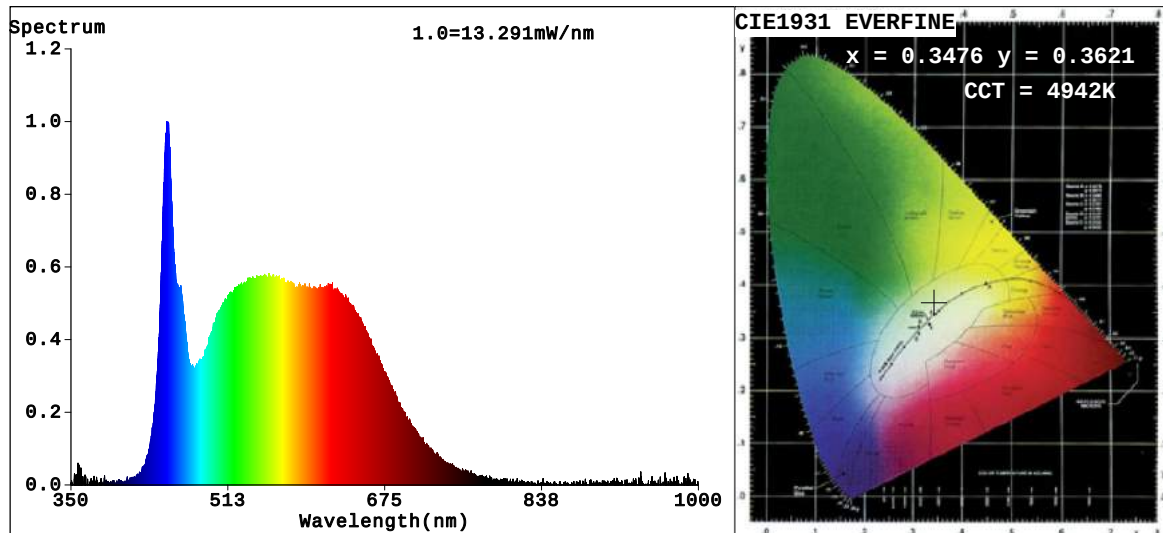
$V = 23.998 V$ $I = 0.3983 A$ $P = 9.558 W$ PF = 1.000
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms $I_p = 1706 (3\%)$

Model: COB 480D 10MM
 Tester:
 Temperature: Deg
 Manufacturer:

Number: 10W 10MM 4000K
 Date: 2
 Humidity: %
 Remarks: 1M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3476$ $y=0.3621$ $u'=0.2091$ $v'=0.4901$
CCT=4942K(Duv=0.0042) Dominant WL:Ld =569.9nm WL:Lc = --nm Purity=13.0%
Ratio:R=17.0% G=77.8% B=5.2% Peak WL:Lp=449.4nm FWHM=23.2nm
Render Index:Ra=92.6

R1 =92	R2 =95	R3 =96	R4 =92	R5 =91	R6 =91	R7 =96	
R8 =89	R9 =69	R10=87	R11=92	R12=66	R13=93	R14=98	R15=90

Photo Parameters:

Flux = 1038.0 lm Eff. : 108.02 lm/W Fe = 1.798 W

Electrical parameters:

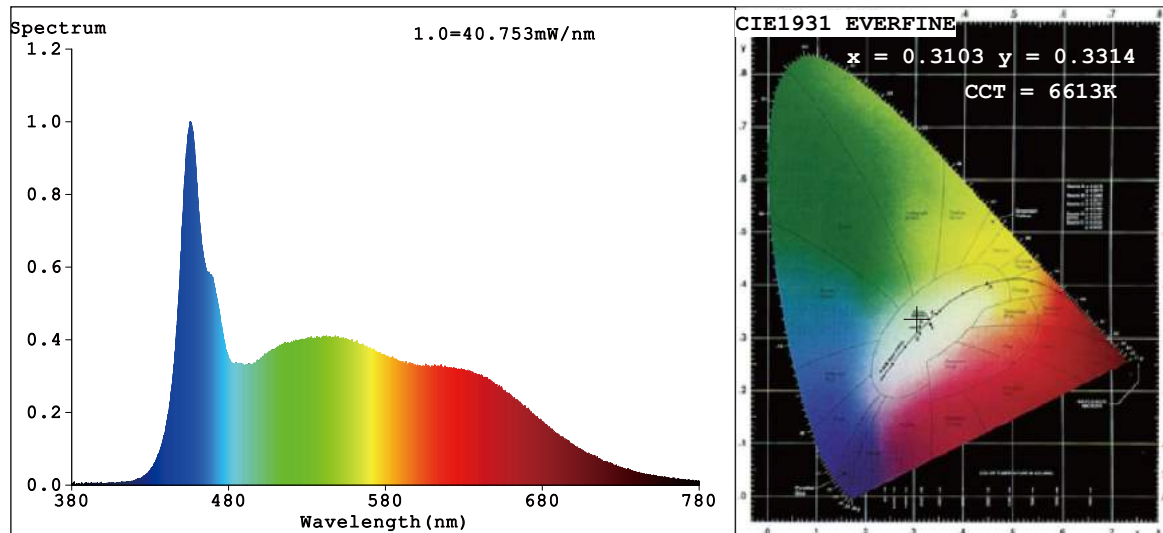
V = 23.998 V I = 0.4004 A P = 9.608 W PF = 1.000
LEVEL:OUT WHITE:ANSI_5000K

Status: Integral T = 100 ms Ip = 868 (1%)

Model: COB 480D 10MM
Tester:
Temperature: Deg
Manufacturer:

Number: 10W 10MM 5000K
Date:
Humidity: %
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3103$ $y=0.3314$ $u'=0.1953$ $v'=0.4692$
 CCT=6613K (Duv=0.0056) Dominant WL:Ld =490.6nm Purity=7.9%
 Ratio:R=14.9% G=77.7% B=7.4% Peak WL:Lp=455.8nm FWHM=25.1nm
 Render Index:Ra=92.7 AvgR=90.8 TM30:Rf=88 Rg=96
 R1 =95 R2 =99 R3 =97 R4 =86 R5 =91 R6 =95 R7 =90
 R8 =89 R9 =83 R10=98 R11=89 R12=64 R13=97 R14=99 R15=91

Photo Parameters:

Flux = 1102 lm Eff. : 112.13 lm/W Fe = 3.989 W

Electrical parameters:

V = 23.998 V I = 0.4096 A P = 9.830 W PF = 1.000

LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 3145 (5%)

Model:COB 480D 10MM
 Tester:
 Temperature:Deg
 Manufacturer:

Number:10W 10MM 6500K
 Date:
 Humidity:%
 Remarks:1M