



COB15-12V-2700K-6500K

Product Details

Code	COB15-12V-2700K-6500K
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	2.5mm
Cut Points	13.8mm

Electrical Data

Voltage	12V
Power Consumption	15W/m
Dimmable	Yes(SPI)

Light Data

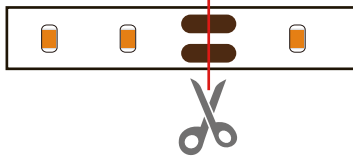
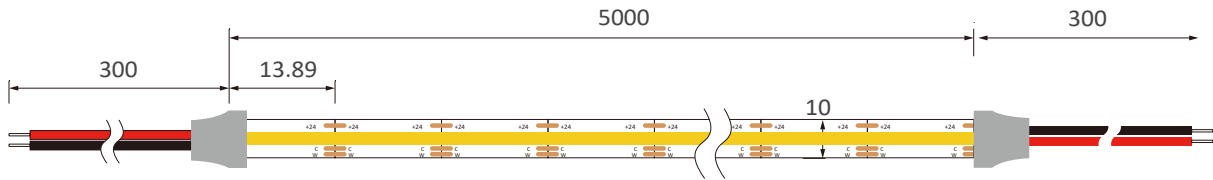
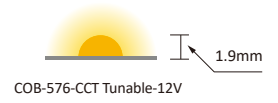
Colour Temperature	2700K-6000K
Lumens per Metre	2700K: 640 6000K:775 2700+65000K: 1415
LEDs per Metre	576
Beam Angle	120°
Colour Rendering Index(CRI)	/
LED Type	COB
LED Manufacturer	Sanan

Environment

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

COB15-12V-2700K-6500K

COB 576chips/m DC12V Unit:mm

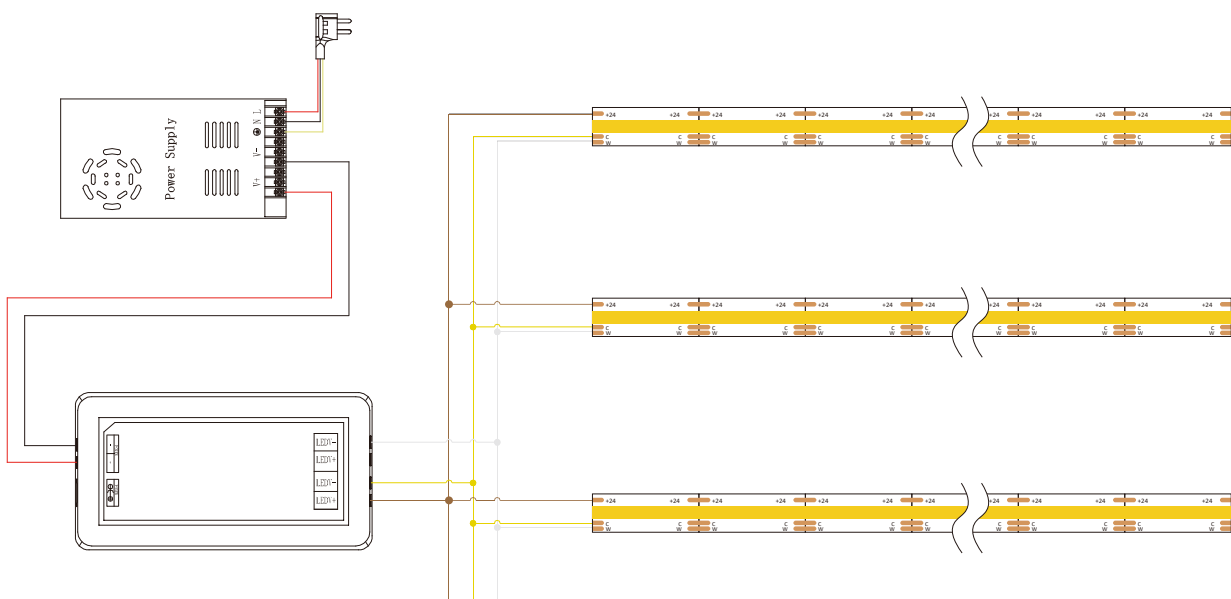


Cut in the centre of the copper or soldered points

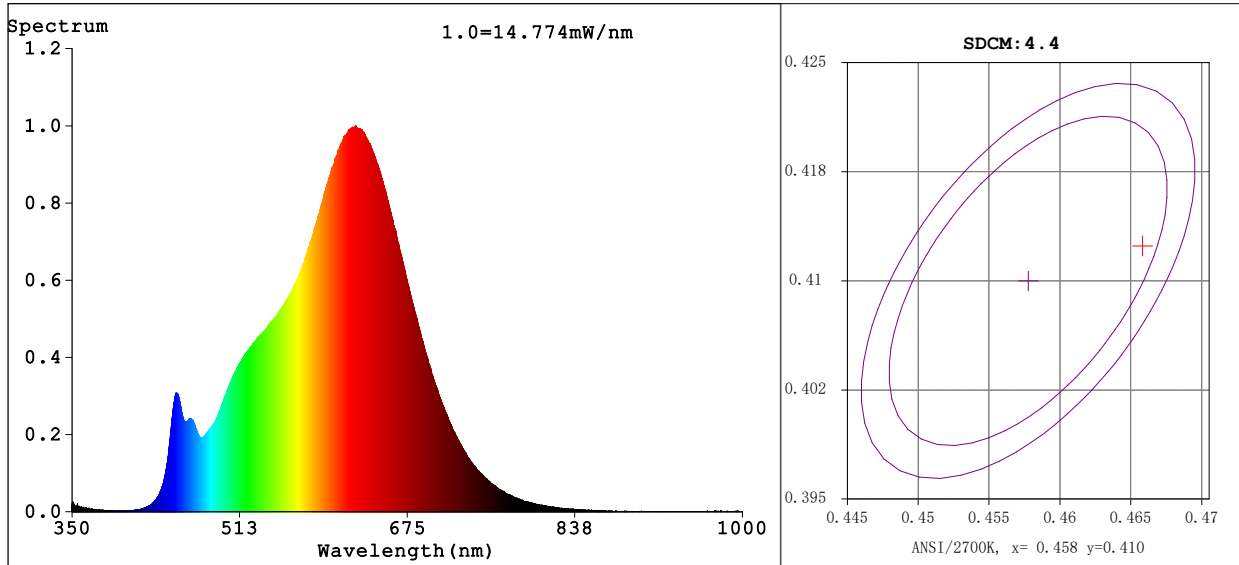


Peel off paper backing to reveal 3m self adhesive

Connection Diagram



Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4659$ $y=0.4126$ / $u'=0.2655$ $v'=0.5290$
 CCT=2633K (Duv=0.0002) Dominant WL:Ld =584.5nm WL:Lc = --nm Purity=63.7%
 Ratio:R=27.4% G=70.0% B=2.6% Peak WL:Lp=625.2nm FWHM=138.3nm
 Render Index:Ra=94.9 AvgR=93.4 TM30:Rf=93 Rg=98

R1 =96 R2 =100 R3 =98 R4 =96 R5 =97 R6 =97 R7 =92
 R8 =84 R9 =66 R10=98 R11=99 R12=89 R13=98 R14=99 R15=91

Photo Parameters:

Flux = 640.0 lm Eff. : 87.03 lm/W Fe = 2.357 W

Electrical parameters:

V = 11.998 V I = 0.6128 A P = 7.353 W PF = 1.000

LEVEL:OUT WHITE:ANSI_2700K

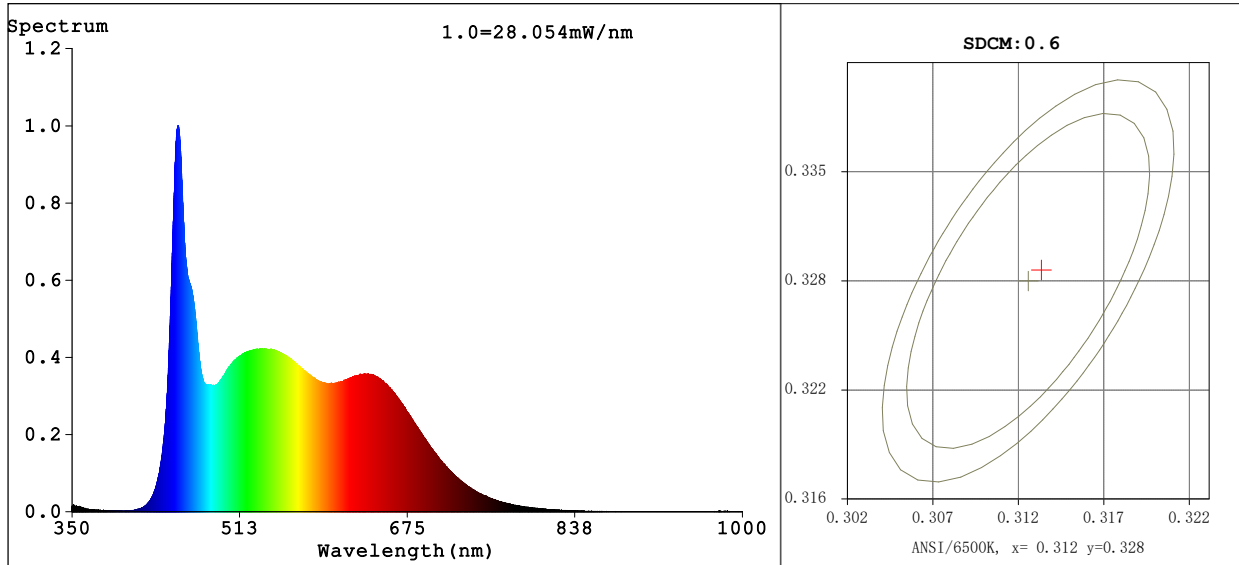
Status: Integral T = 317 ms Ip = 51178 (78%)

GBT5702

Model:
 Tester:
 Temperature:Deg
 Manufacturer:

Number:COB-576D-10MM-2700+6500K-RA90-15W-1
 Date:2024-03-27 13:36:32
 Humidity:%
 Remarks:IP20/1M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3131$ $y=0.3289$ / $u'=0.1981$ $v'=0.4683$
 CCT=6484K (Duv=0.0030) Dominant WL:Ld =488.9nm WL:Lc = --nm Purity=7.2%
 Ratio:R=15.7% G=77.3% B=7.0% Peak WL:Lp=452.9nm FWHM=24.4nm
 Render Index:Ra=96.3 AvgR=94.3 TM30:Rf=92 Rg=100

R1 =98 R2 =100 R3 =97 R4 =95 R5 =95 R6 =95 R7 =96
 R8 =95 R9 =90 R10=99 R11=97 R12=68 R13=99 R14=98 R15=94

Photo Parameters:

Flux = 775.0 lm Eff. : 104.90 lm/W Fe = 2.994 W

Electrical parameters:

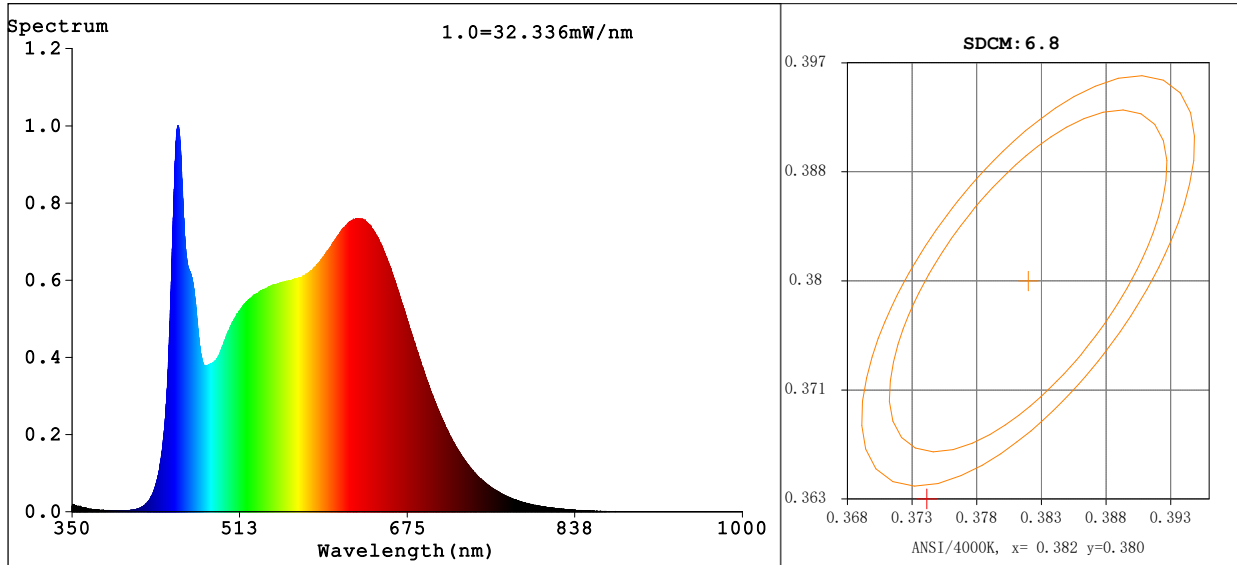
V = 11.998 V I = 0.6156 A P = 7.386 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_6500K
 Status: Integral T = 158 ms Ip = 42545 (65%)

GBT5702

Model:
 Tester:
 Temperature:Deg
 Manufacturer:

Number:COB-576D-10MM-2700+6500K-RA90-15W-2
 Date:2024-03-27 13:37:45
 Humidity:%
 Remarks:IP20/1M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3740$ $y=0.3619$ / $u'=0.2268$ $v'=0.4939$
 CCT=4073K (Duv=-0.0052) Dominant WL:Ld =582.5nm WL:Lc = --nm Purity=20.8%
 Ratio:R=21.0% G=73.9% B=5.0% Peak WL:Lp=452.6nm FWHM=25.9nm
 Render Index:Ra=96.1 AvgR=94.4 TM30:Rf=94 Rg=102

R1 =95 R2 =96 R3 =99 R4 =98 R5 =95 R6 =93 R7 =96
 R8 =97 R9 =93 R10=94 R11=96 R12=76 R13=95 R14=99 R15=94

Photo Parameters:

Flux = 1415 lm Eff. : 95.99 lm/W Fe = 5.332 W

Electrical parameters:

V = 11.998 V I = 1.2284 A P = 14.74 W PF = 1.000

LEVEL:OUT WHITE:OUT

Status: Integral T = 158 ms Ip = 48958 (75%)

GBT5702

Model:
 Tester:
 Temperature:Deg
 Manufacturer:

Number:COB-576D-10MM-2700+6500K-RA90-15W-3
 Date:2024-03-27 13:39:02
 Humidity:%
 Remarks:IP20/1M