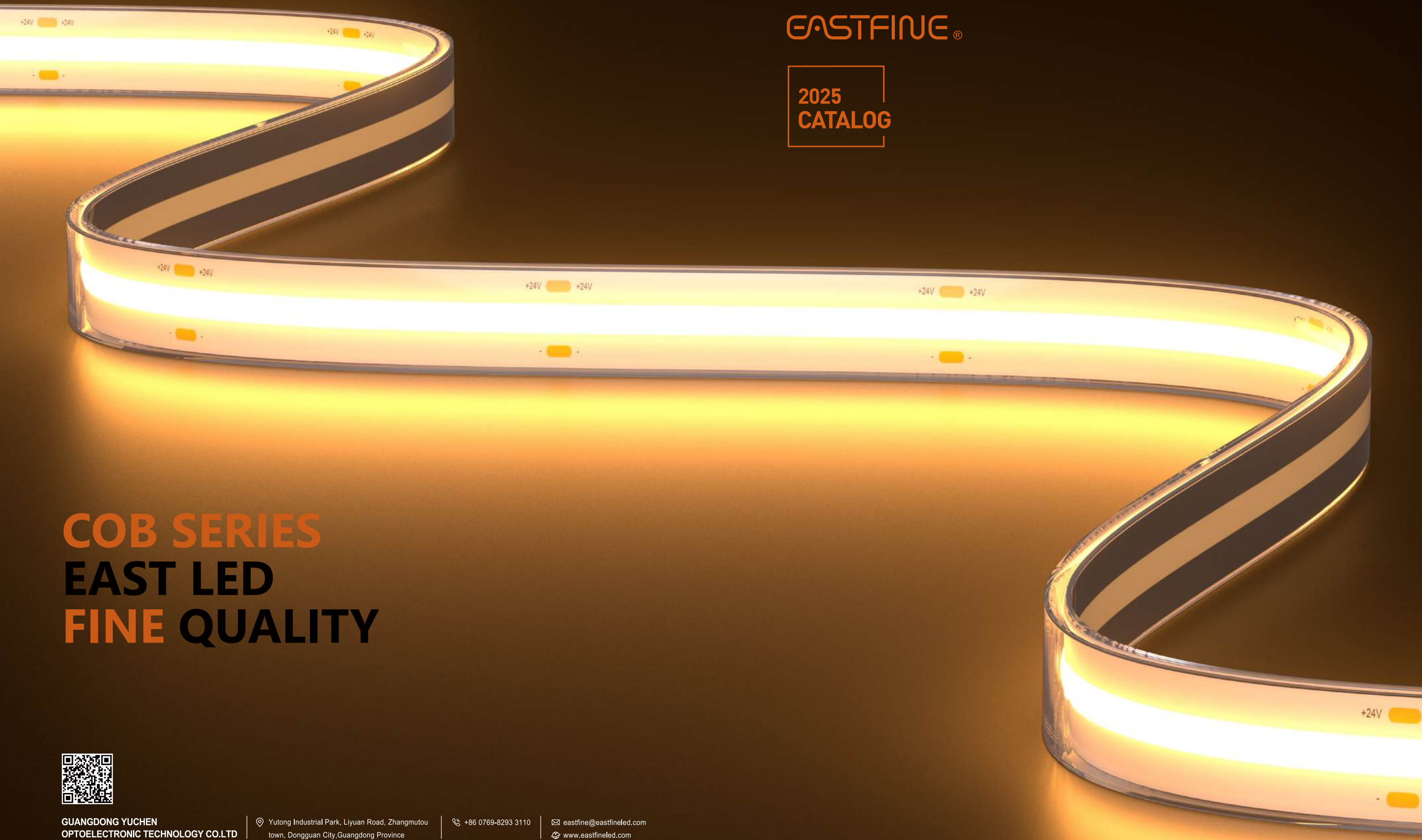




EASTFINE®

2025
CATALOG

COB SERIES
EAST LED
FINE QUALITY



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ABOUT EASTFINE

Guangdong Yuchen Optoelectronic Technology Co.Ltd is located in a vigorous and innovative city Dongguan well-known city named World Factory. We focus on R&D and manufacturing high-rank LED strip light and neon light. The company is running under an independent brand EASTFINE in Chinese,USA and EU markets.

EASTFINE is devoted to interior and exterior LED linear lighting for the world. The key product IP68 strip lights are applicable in exterior landscape illumination and marine lighting, and the production artwork is much different but higher than traditional methods. All the products are CE,ROHS,ETL approved.

We also passed the latest version ISO9001:2015 quality system to meet the demand from American, European, Australian,middle east and South Asian markets.

LABORATORY

The professional laboratory is equipped with UV, constant temperature and humidity, Salt Spray, IP68 Waterproof, cold and hot impact and other inspection and test instruments. At the same time, the company is equipped with professional test operators and quality management team.



FACTORY

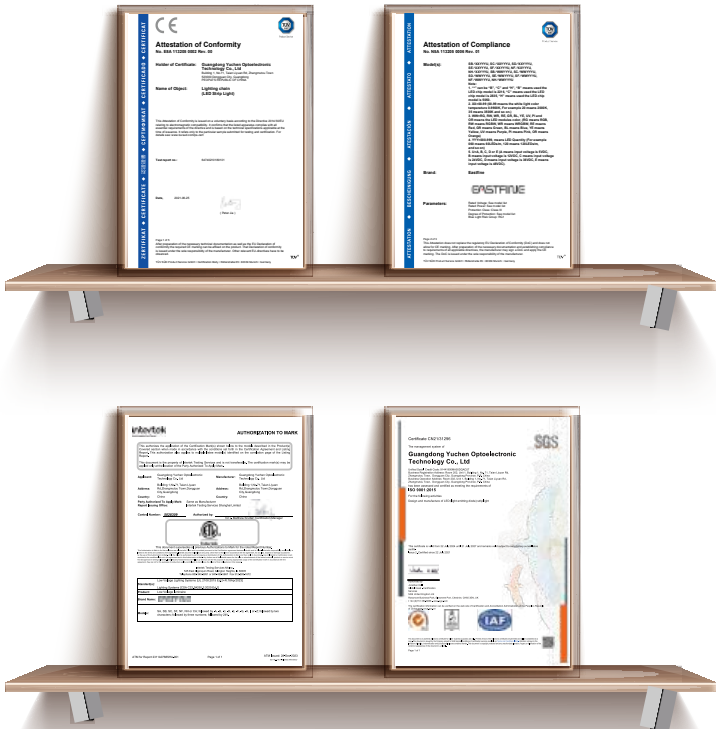
We have complete LED light strip production lines, including automatic production equipment required in the process of SMD, welding, PCB splitting, glue dropping, glue filling, aging test and so on.

While providing customers with high-quality products, we continue to improve the automation of the whole production process and improve production efficiency. At present, the production capacity of LED strip light reaches 200,000-300,000 meters every month.

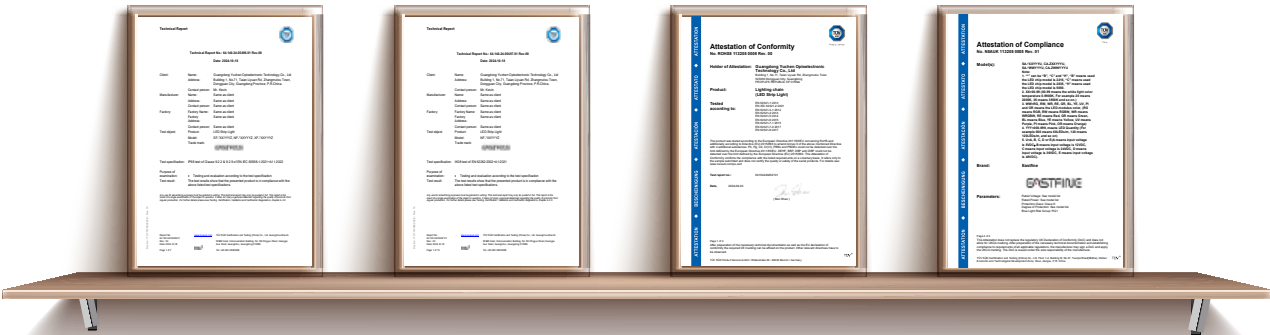


CERTIFICATE

- CE-EMC Certificate
- CE-LVD Certificate
- ETL Certificate
- ISO9001: 2015



- IP68 Certificate
- IK08 Certificate
- ROHS Certificate
- UKCA Certificate



- EU Trademark Certificate
- U.S. Trademark Certificate
- Patent Certificate 1
- Patent Certificate 2



APPLICATION & PROJECT

POOL LIGHTING



CRUISES LIGHTING



SHOPPING MALL LIGHTING



UNDERWATER LIGHTING



ARCHITECTURAL LIGHTING



COB Flexible Strip

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points

The COB strip after PU waterproofing process, Waterproof rating can be reached IP68, Transparent PU Glue waterproof light transmittance can reach 95%, the opalescent PU glue waterproof makes the light much more linear, at the same time, the anti-UV and anti-yellowing character of the COB strip also can be improved



UV
Protected



Waterproof
IP68



Saltwater
Resistant



Resistant
to Solvents

Single Color COB Series

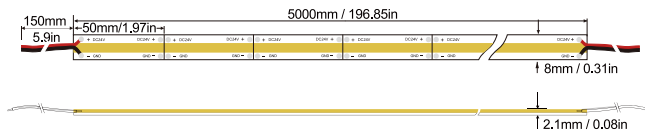
COB-320D-8MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 320LEDs/M



Application



Datasheet

Model No.	CCT	IP20 8*2.1 (mm)		IP65 8*3 (mm)		IP67 9.8*3.8 (mm)		IP68 10.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
Z27320C	2700K	640	91	600	200	600	260	600	370
Z30320C	3000K	720	91	680	200	680	260	680	370
Z40320C	4000K	800	91	760	200	760	260	760	370
Z65320C	6500K	880	91	830	200	830	260	830	370

Single Color COB Series

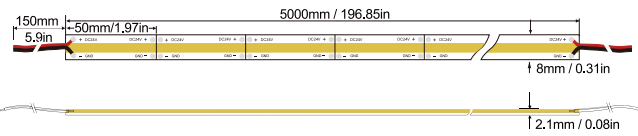
COB-480D-8MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 480LEDs/M



Application



Datasheet

Model No.	CCT	IP20 8*2.1 (mm)		IP65 8*3 (mm)		IP67 9.8*3.8 (mm)		IP68 10.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
Z27480C	2700K	900	99	850	210	850	270	850	380
Z30480C	3000K	988	99	930	210	930	270	930	380
Z40480C	4000K	1074	99	1010	210	1010	270	1010	380
Z65480C	6500K	1105	99	1038	210	1038	270	1038	380

Single Color COB Series

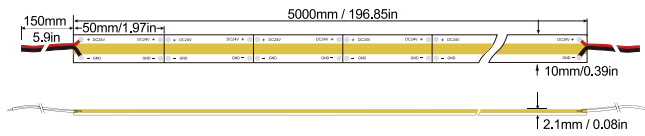
COB-480D-10MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 480LEDs/M



Application



Datasheet

Model No.	CCT	IP20 10*2.1 (mm)		IP65 10*3 (mm)		IP67 11.8*3.8 (mm)		IP68 12.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
Z27480C	2700K	1155	110	1097	240	1097	310	1097	445
Z30480C	3000K	1265	110	1202	240	1202	310	1202	445
Z40480C	4000K	1368	110	1313	240	1313	310	1313	445
Z65480C	6500K	1580	110	1485	240	1485	310	1485	445

Single Color COB Series

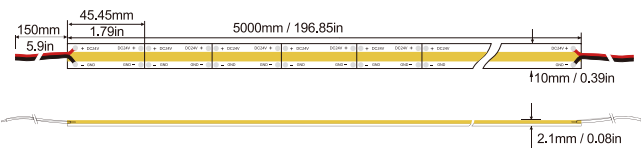
COB-528D-10MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 528LEDs/M



Application



Datasheet

Model No.	CCT	IP20 10*2.1 (mm)		IP65 10*3 (mm)		IP66 11.8*3.8 (mm)		IP67 12.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
Z27528C	2700K	1190	120	1130	248	1130	320	1130	450
Z30528C	3000K	1300	120	1235	248	1235	320	1235	450
Z40528C	4000K	1450	120	1377	248	1377	320	1377	450
Z65528C	6500K	1540	120	1465	248	1465	320	1465	450

High CRI COB Series

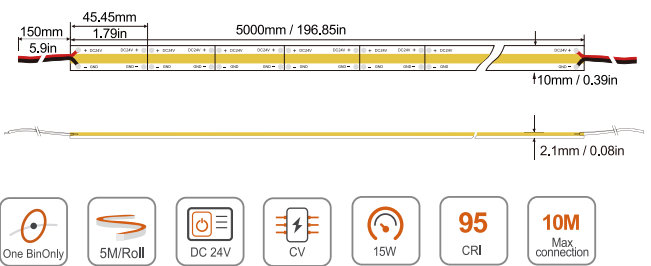
COB-528D-10MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 528LEDs/M



Application



Datasheet

Model No.	CCT	IP20 10*2.1 (mm)		IP65 10*3 (mm)		IP67 11.8*3.8 (mm)		IP68 12.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
Z27528C	2700K	1260	125	1197	255	1197	330	1197	455
Z30528C	3000K	1330	125	1265	255	1265	330	1265	455
Z40528C	4000K	1490	125	1415	255	1415	330	1415	455
Z65528C	6500K	1590	125	1510	255	1510	330	1510	455

High CRI COB Series

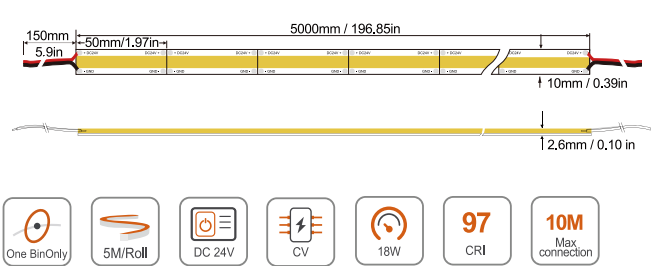
COB-640D-10MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 640LEDs/M



Application



Datasheet

Model No.	CCT	IP20 10*2.6 (mm)		IP65 10*3.3 (mm)		IP67 11.8*3.8 (mm)		IP68 12.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
Z27640C	2700K	1440	135	1365	268	1365	350	1365	476
Z30640C	3000K	1530	135	1453	268	1453	350	1453	476
Z40640C	4000K	1720	135	1633	268	1633	350	1633	476
Z65640C	6500K	1890	135	1790	268	1790	350	1790	476

CCT Color COB Series

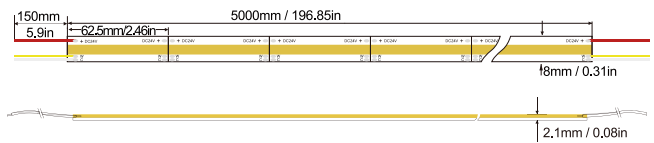
COB-512D-8MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 512LEDs/M



One Bin Only

5M/Roll

DC 24V

CV

10W

90 CRI

10M Max connection

Application



IP20

IP65

IP67

IP68

Datasheet

Model No.	CCT	IP20 8*2.1 (mm)		IP65 8*3 (mm)		IP67 9.8*3.8 (mm)		IP68 10.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
ZTW512C	2700-6500K	795-1050	99	755-998	210	755-998	270	755-998	380

CCT Color COB Series

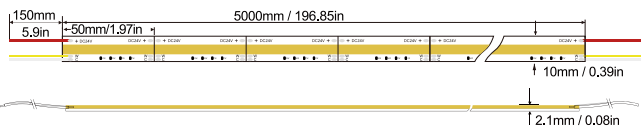
COB-640D-10MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 640LEDs/M



One Bin Only

5M/Roll

DC 24V

CV

15W

90 CRI

10M Max connection

Application



IP20

IP65

IP67

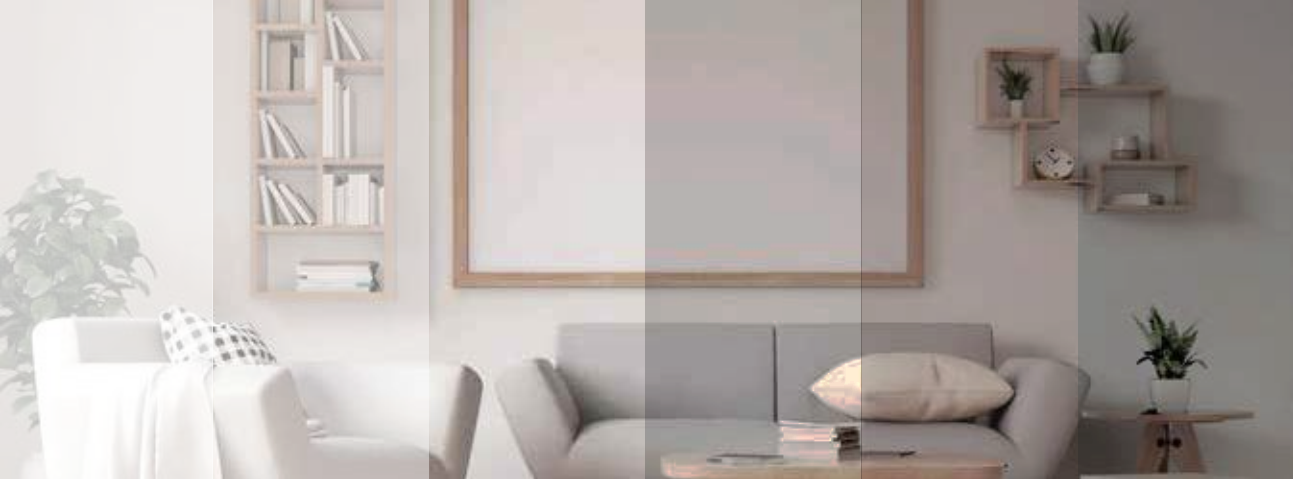
IP68

Datasheet

Model No.	CCT	IP20 10*2.1 (mm)		IP65 10*3 (mm)		IP67 11.8*3.8 (mm)		IP68 12.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
ZTW640C	2700-6500K	1130-1540	110	1073-1445	240	1073-1445	310	1073-1445	455

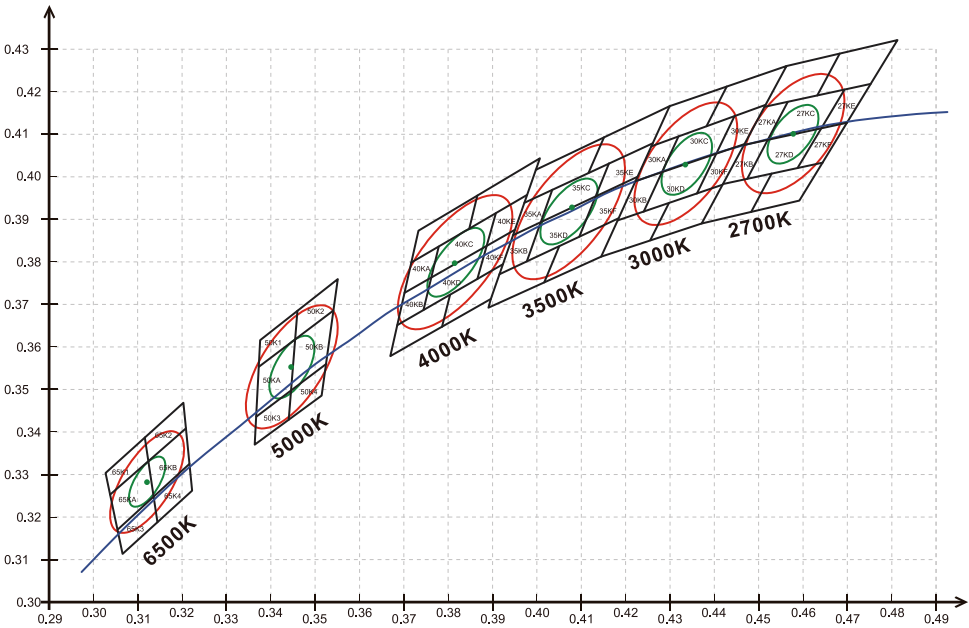
EXCELLENT COLOR CONSISTENCY

Color Map



Flat Data Display Diagram

The color rendering index CRI is a commonly used parameter in the field of lighting technology. It refers to the measurement of the degree of color conformity when an object is illuminated by this light source and a standard light source (usually the sun is used as a standard light source), that is, the degree of color fidelity.



ONE Binning

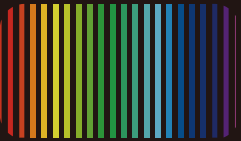
BIN-Color Color consistency
LED Color BIN definition
(CIE 1931 UCS)

CRI

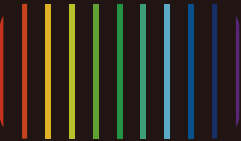
Color rendering index CRI is a common parameter in the field of lighting technology



CRI>90



CRI>80



CRI>70

RGB Color COB Series

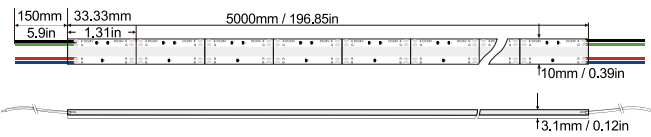
COB-630D-10MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 630LEDs/M



One Bin Only

5M/Roll

DC 24V

CV

14W

10M Max connection

Application



IP20

IP65

IP67

IP68

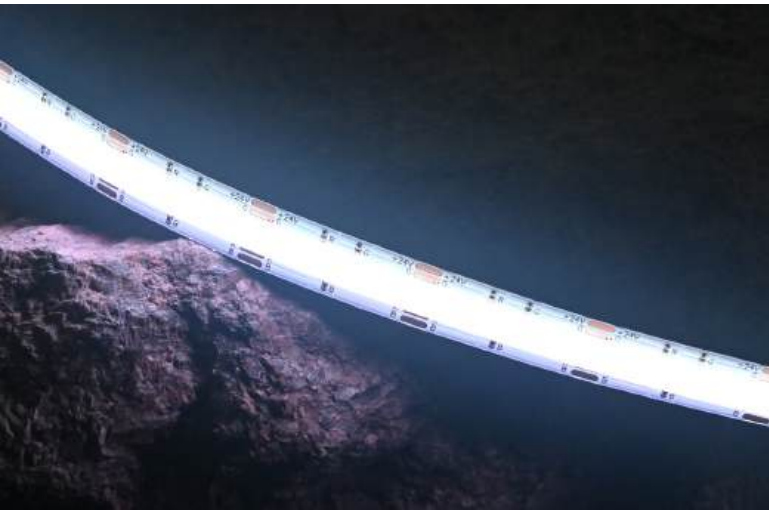
Datasheet

Model No.	CCT	IP20 10*3.1 (mm)		IP65 10*3.5 (mm)		IP67 11.8*4 (mm)		IP68 12.5*4.9 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
ZRG630C	RGB	420	130	405	260	405	320	405	460

RGB Color COB Series

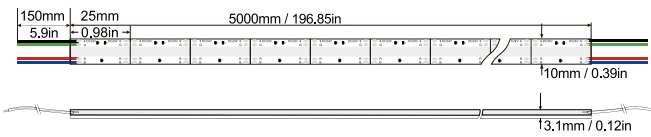
COB-840D-10MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 840LEDs/M



One Bin Only

5M/Roll

DC 24V

CV

15W

10M Max connection

Application



IP20

IP65

IP67

IP68

Datasheet

Model No.	CCT	IP20 10*3.1 (mm)		IP65 10*3.5 (mm)		IP67 11.8*4 (mm)		IP68 12.5*4.9 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
ZRG840C	RGB	750	142	715	278	715	315	715	476

RGBW Color COB Series

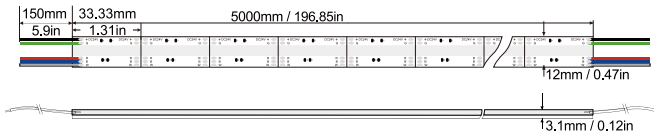
COB-840D-12MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 840LEDs/M



Application



Datasheet

Model No.	CCT	IP20 12*3.1 (mm)		IP65 12*3.5 (mm)		IP67 13.8*4 (mm)		IP68 14.5*4.9 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
ZRW840C	RGBW	640	159	615	343	615	392	615	585

RGB&CCT Color COB Series

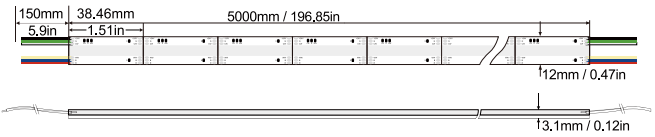
COB-910D-12MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 910LEDs/M



Application



Datasheet

Model No.	CCT	IP20 12*3.1 (mm)		IP65 12*3.5 (mm)		IP67 13.8*4 (mm)		IP68 14.5*4.9 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
ZWR910C	RGB&CCT	670	164	645	355	645	407	645	594

Mini Cutting COB Series

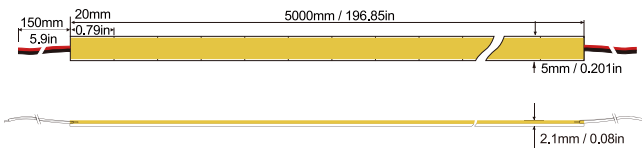
COB-400D-5MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 400LEDs/M



One Bin Only

5M/Roll

DC 24V

CV

7.2W

90 CRI

10M Max connection

Application



Datasheet

Model No.	CCT	IP20	5*2.1 (mm)
		Lumens	Weight
Z27400C	— 2700K	648	78
Z30400C	— 3000K	720	78
Z40400C	— 4000K	790	78
Z65400C	— 6500K	830	78

Mini Cutting COB Series

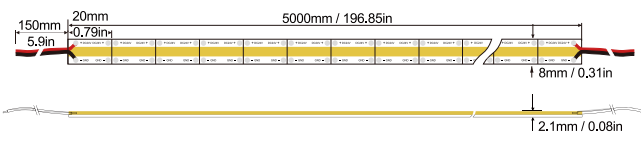
COB-400D-8MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 400LEDs/M



One Bin Only

5M/Roll

DC 24V

CV

9.6W

90 CRI

10M Max connection

Application



Datasheet

Model No.	CCT	IP20	8*2.1 (mm)	IP65	8*3 (mm)	IP67	9.8*3.8 (mm)	IP68	10.5*4.6 (mm)
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
Z27400C	— 2700K	855	99	810	210	810	270	810	380
Z30400C	— 3000K	960	99	912	210	912	270	912	380
Z40400C	— 4000K	1048	99	996	210	996	270	996	380
Z65400C	— 6500K	1100	99	1045	210	1045	270	1045	380

Free Cutting COB Series

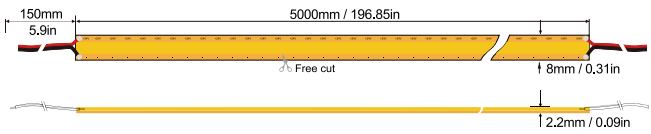
COB-528D-8MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 528LEDs/M



Application



Datasheet

Model No.	CCT	IP20 8*2.1 (mm)		IP65 8*3 (mm)		IP67 9.8*3.8 (mm)		IP68 10.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
Z27528C	2700K	700	101	655	212	655	275	655	388
Z30528C	3000K	795	101	745	212	745	275	745	388
Z40528C	4000K	845	101	802	212	802	275	802	388
Z65528C	6500K	898	101	851	212	851	275	851	388



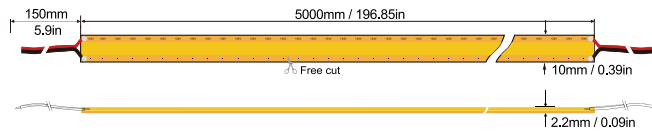
Free Cutting COB Series

COB-528D-10MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points

Specifications

* 528LEDs/M



Application



Datasheet

Model No.	CCT	IP20 10*2.1 (mm)		IP65 10*3 (mm)		IP67 11.8*3.8 (mm)		IP68 12.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
Z27528C	2700K	993	120	942	248	942	320	942	450
Z30528C	3000K	1125	120	1068	248	1068	320	1068	450
Z40528C	4000K	1195	120	1135	248	1135	320	1135	450
Z65528C	6500K	1280	120	1216	248	1216	320	1216	450

Constant Current COB Series

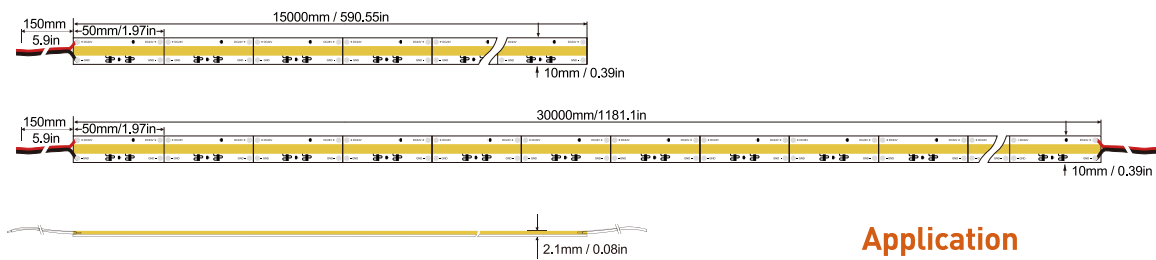
COB-480D-10MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 480LEDs/M



Application



Datasheet

Model No.	CCT	Ø IP20 10*2.1 (mm)		Ø IP65 10*3 (mm)		Ø IP67 11.8*3.8 (mm)		Ø IP68 12.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
Z27480C	2700K	672	110	638	240	638	310	638	445
Z30480C	3000K	720	110	683	240	683	310	683	445
Z40480C	4000K	769	110	730	240	730	310	730	445
Z65480C	6500K	797	110	757	240	757	310	757	445

COLOR TEMPERATURE

Under different color temperatures, people's senses are also different

1

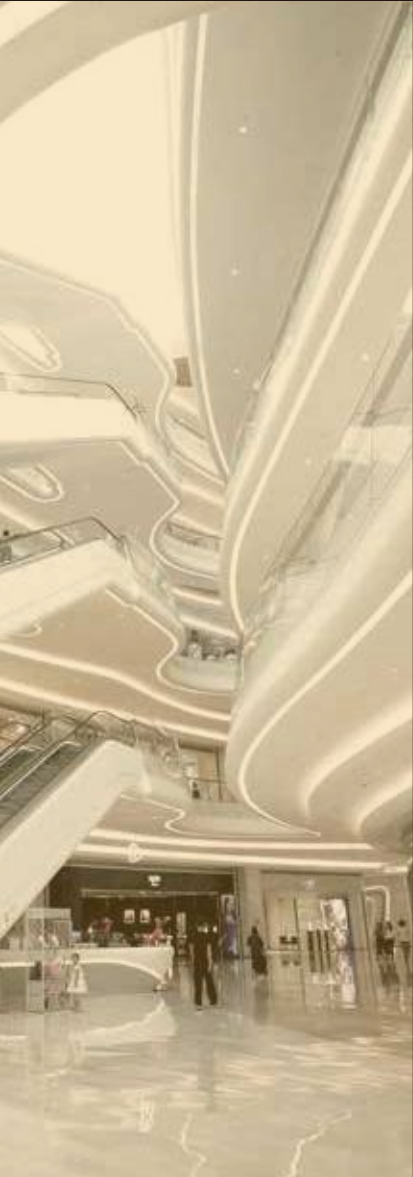
Low color temperature: When the color temperature is below 3300K, the reddish light color will give people a sense of warmth and can also create a stable atmosphere; when illuminated by a low color temperature light source, the red color can be more vivid.

2

Medium color temperature: When the color temperature is between 3000K and 6000K, people have no obvious visual psychological effects under this color, and there is a sense of refreshment, so it is called "neutral" color temperature. When irradiated with a light source of medium color temperature, the blue color has a cool feeling.

3

High color temperature: When the color temperature exceeds 6000K, the light color is bluish, giving people a cool feeling. When illuminated with a high color temperature light source, the object will feel cold.



Side View COB Series

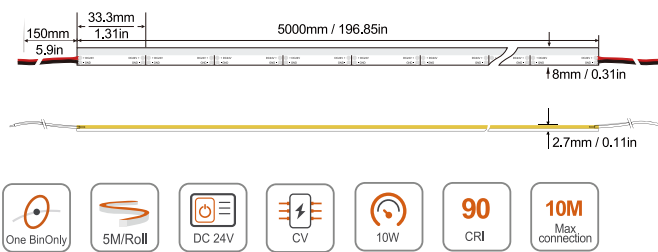
COB-480D-8MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 480LEDs/M



Application



Datasheet

Model No.	CCT	IP20 8*2.7 (mm)		IP68 10.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight
Z27480C	2700K	505	115	478	410
Z30480C	3000K	600	115	560	410
Z40480C	4000K	697	115	654	410
Z65480C	6500K	803	115	751	410

Side View COB Series

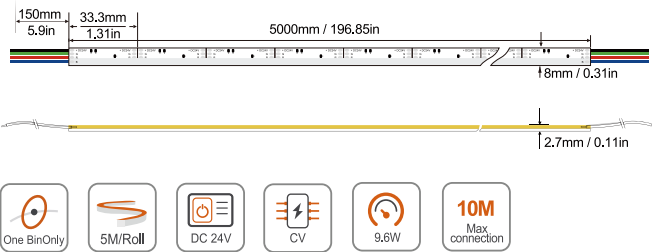
COB-630D-8MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 630LEDs/M



Application



Datasheet

Model No.	CCT	IP20 8*2.7 (mm)		IP68 10.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight
ZRG630C	RGB	288	135	272	466

Pixel RGB COB Series

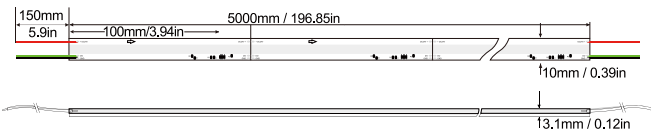
COB-480D-10MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 480LEDs/M



Application



Datasheet

Model No.	CCT	IP20 10*3.1 (mm)		IP65 10*3.5 (mm)		IP67 11.8*4 (mm)		IP68 12.5*4.9 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
ZRG480C	Pixel RGB	360	145	340	270	340	330	340	470

Pixel RGB COB Series

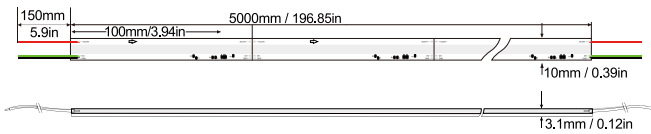
COB-720D-10MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 720LEDs/M



Application



Datasheet

Model No.	CCT	IP20 10*3.1 (mm)		IP65 10*3.5 (mm)		IP67 11.8*4 (mm)		IP68 12.5*4.9 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
ZRG720C	Pixel RGB	480	148	456	275	456	335	456	475

Pixel White COB Series

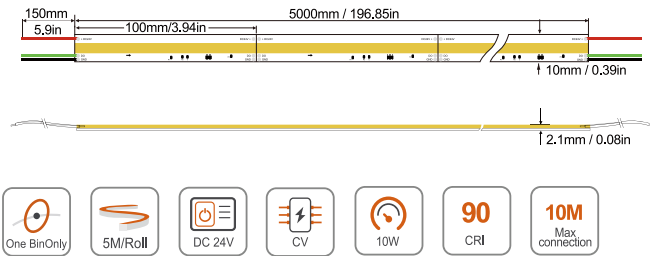
COB-420D-10MM-24V

Hundreds or even thousands of chips are arranged on one meter flexible PCB, and the fluorescent powder is all over the chips, the light emitted is linear light with no dark points



Specifications

* 420LEDs/M



Application



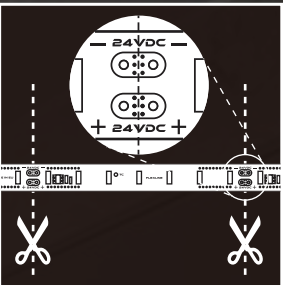
Datasheet

Model No.	CCT	IP20 10*2.1 (mm)		IP65 10*3 (mm)		IP67 11.8*3.8 (mm)		IP68 12.5*4.6 (mm)	
		Lumens	Weight	Lumens	Weight	Lumens	Weight	Lumens	Weight
Z27420C	2700K	795	113	755	244	755	314	755	449
Z30420C	3000K	890	113	846	244	846	314	846	449
Z40420C	4000K	970	113	920	244	920	314	920	449
Z65420C	6500K	1032	113	908	244	908	314	908	449

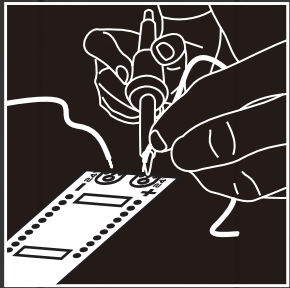
LED STRIPS INSTALLATION GUIDE



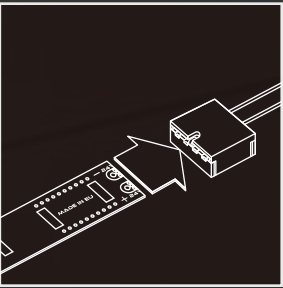
1 Dry the position to be flat and smooth before putting on the strips.



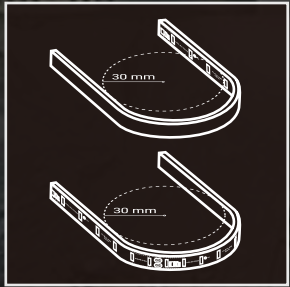
2 LED tape can be cut only between soldering pads.



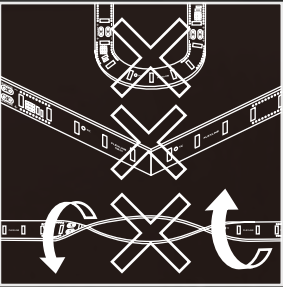
3 Solder wires on soldering pads (label +/-). The solder temperature may not exceed 350°C for maximum duration of 2 seconds.



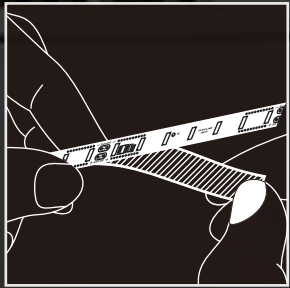
4 You can also connect strips using LED tape connectors.



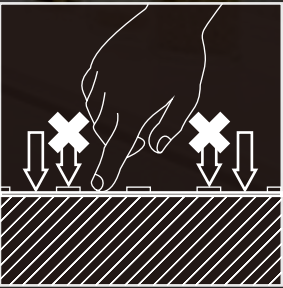
5 LED tapes are bendable. Minimum bend radius is 30 mm.



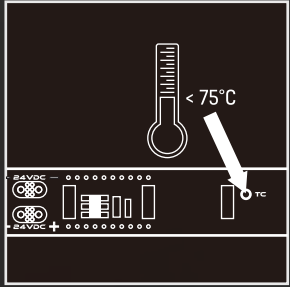
6 LED tapes cannot be bent or twisted in the demonstrated directions.



7 Remove the adhesive tape from the back side of the LED tape.



8 Press the LED tape gently between electronic components to stick it to the surface. Avoid pressing electronic components.



9 LED tapes must be installed on aluminum (or material with similar thermal conduction) to avoid LEDs overheating and ensure proper heat dissipation. Measure TC temperature after 30 minutes of operation. TC temperature should not exceed 75 °C.



10 Keep the LED tape on the reel while applying it onto the surface. Remove the adhesive tape and apply the tape while unrolling the reel at the same time.