

天波 Skyball since 1999



2023

LED COB STRIP LIGHT

Who We Are

We are SKYBALL, a LED lighting manufacturer who founded in 1999.

We started the LED lighting production from DIP LED. Founded in 1999 and based in Jiangmen, we have over 20 years of accumulation. We have been and will be always committed to craving lights in good quality and well-thought design, in the hope of providing the best to customers.

What We Do

We have offer supports for many lighting projects in domestic and abroad.

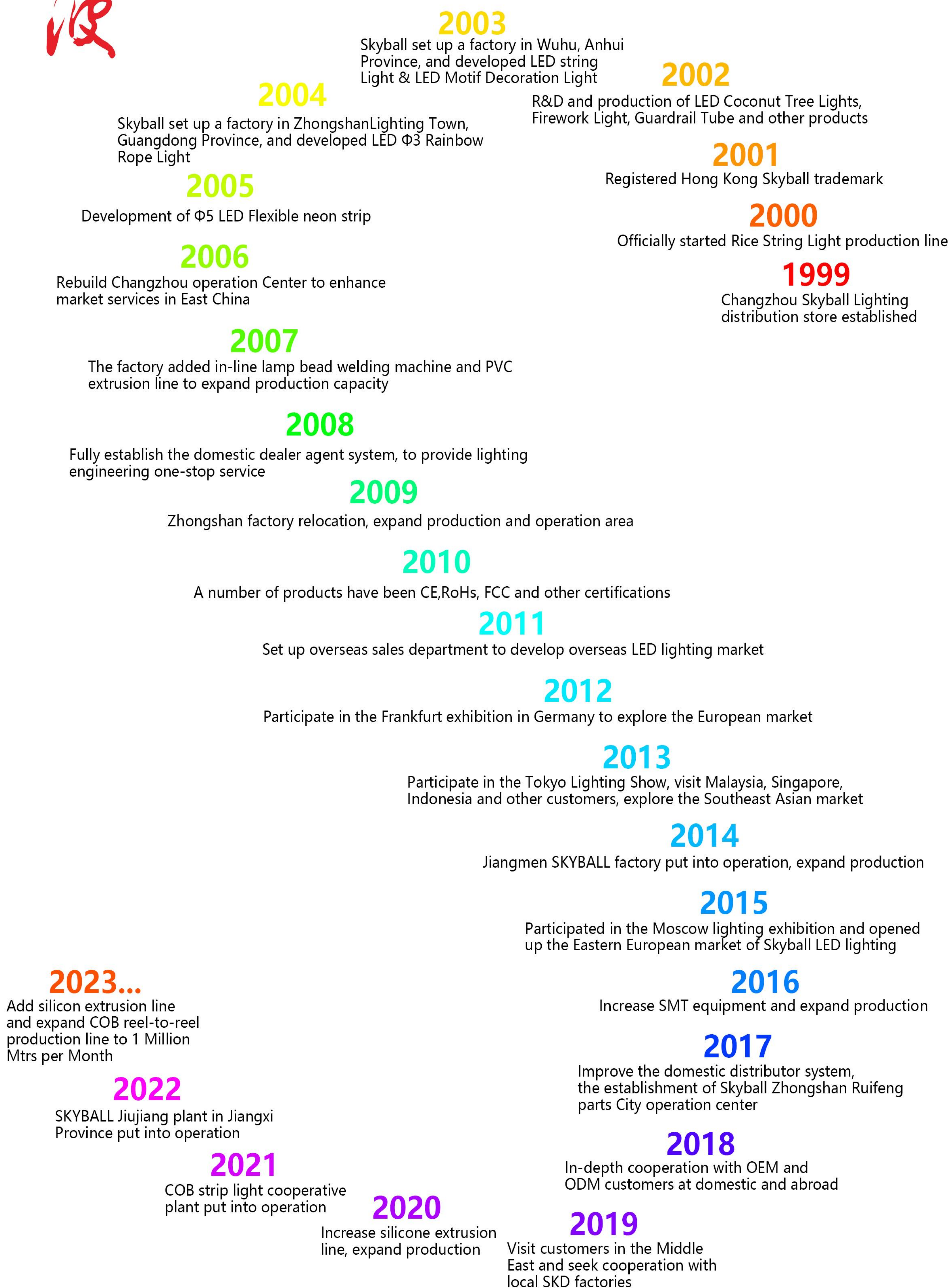
Skyball keeps focusing on research, development, production and selling in the LED lighting industry. For products, Skyball is certified to the ISO standard.

In order to provide high quality products from LED components to LED final products, we introduced various advanced machines into production such as COB die bonder, SMT,PVC cover extrusion line,Silicon cover extrusion line etc.

Each production line is managed by a total quality control to ensure the quality of LED production in Operating, Safety, Reliability engineering and Maintainability requirements.



SKYBALL HISTORY



Enterprise Honor

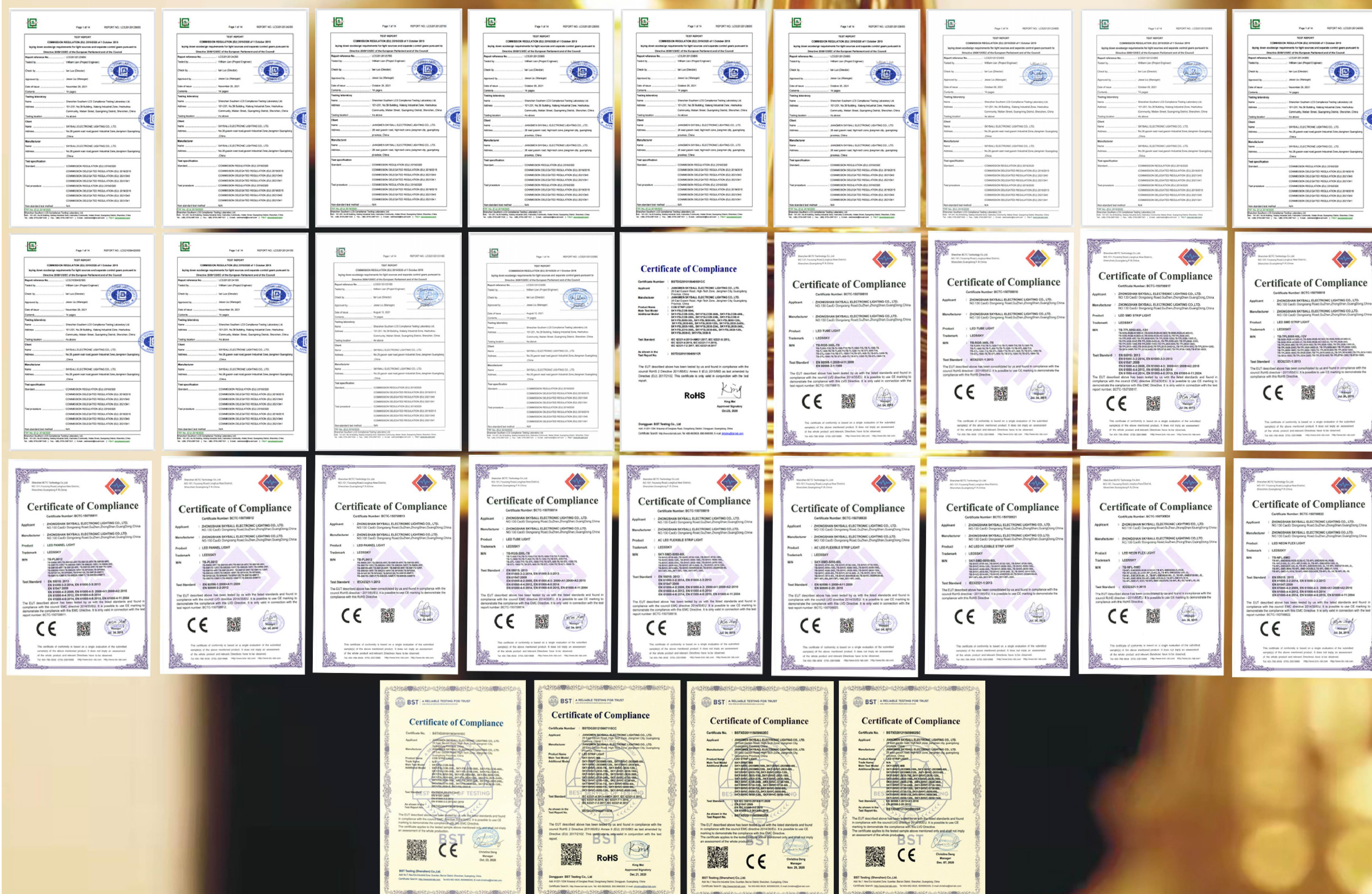


Patent Certification

SKYBALL has own R&D department, and new products come out every month. Our products have won many patent awards, including design patents, utility model patents, etc. We accept OEM/ODM customization and have long business relationship with many famous brand customers



Global Certification



Three production bases



Three production bases

A

 **Hubei. Jingmen Dongbao Information Industrial Park 5400SQM**

High efficiency in mass production,
lowest cost,relatively stable quality
and powerful production management

Tax refund

B

 **Jiangxi. Jiujiang Photoelectric Industrial Park 6000SQM**

Labor costs lower in
Midland of China

Policies support to more
advanced auto production

Own plant,no more rent
costs for workshops

C

 **Guangdong. Jiangmen High-tech Zone 5000SQM**

Near China Lighting Town,
only one bridge away from;
Easy to collect all related
lighting materials and control
the material and production costs.

Near Guangzhou & Shenzhen;
Easier to load the goods to
worldwide/Abroad?

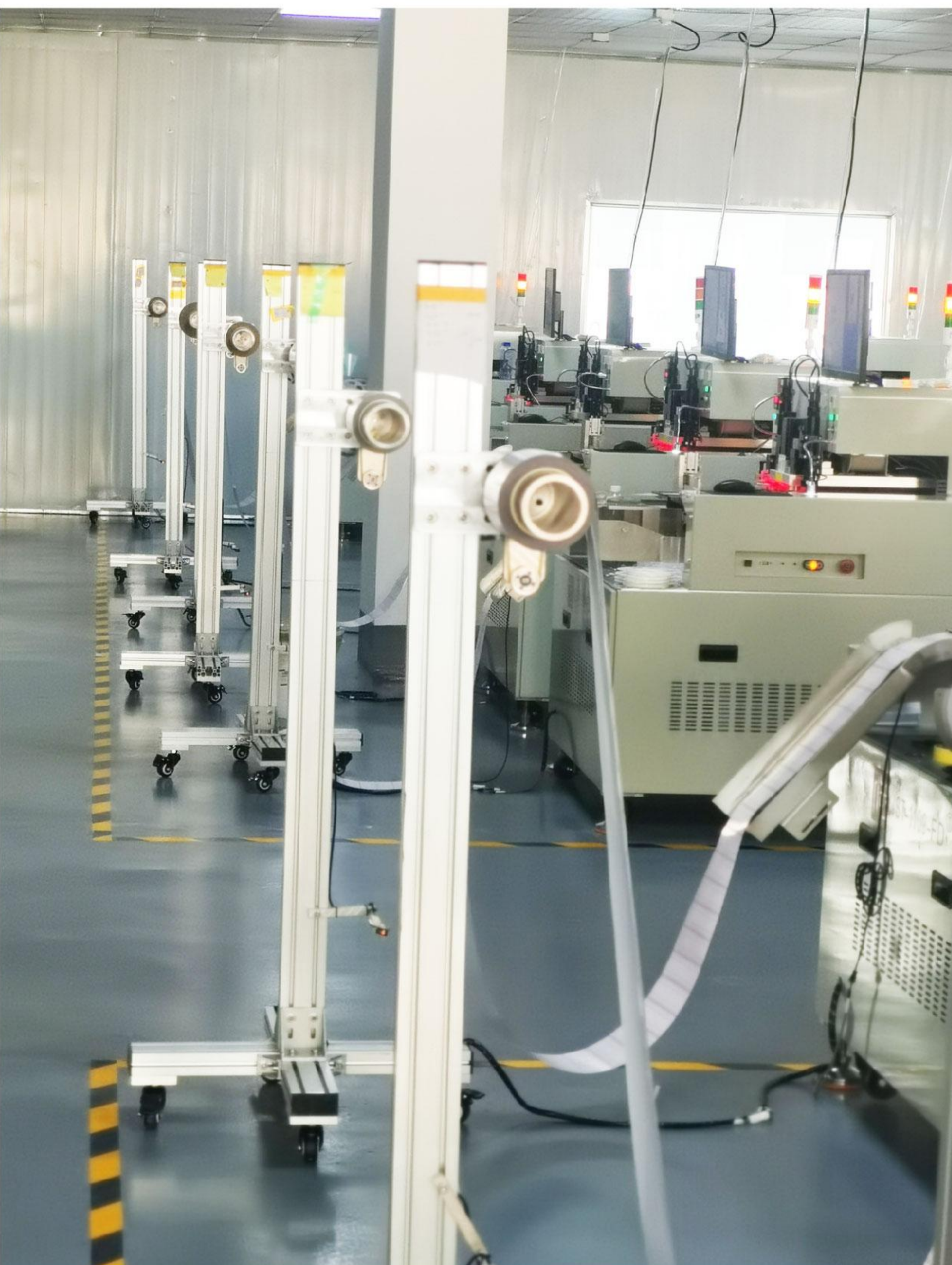
We are registered Guangdong
local for more then 15years,
Preferential access to local
government enterprise
assistance policies, talent
advantages, blockchain
advantages of common
progress of peers and related
industry enterprises.

60 automated COB die-bonding machines in **15** production lines
Monthly production capacity of **1 million meters**



Roll to Roll Tech Advantages

- Shorten the manufacturing process.
- Simplify the production process Improve the production efficiency.
- No need to collect Semi-finished products to other assembly line.
- Avoid the defects caused by hand welding of the circuit board.
- The first pass yield of the product is 99.8%



Extrusion integrated process

- More than 100 pairs of tooling for our Strips and neon light.
- UV resistance & cold resistance& anti-freezing crack.
- PVC Multi-silicone & Food grade pure silicone for option



Stable and excellent supplier

LED Brand



power supply



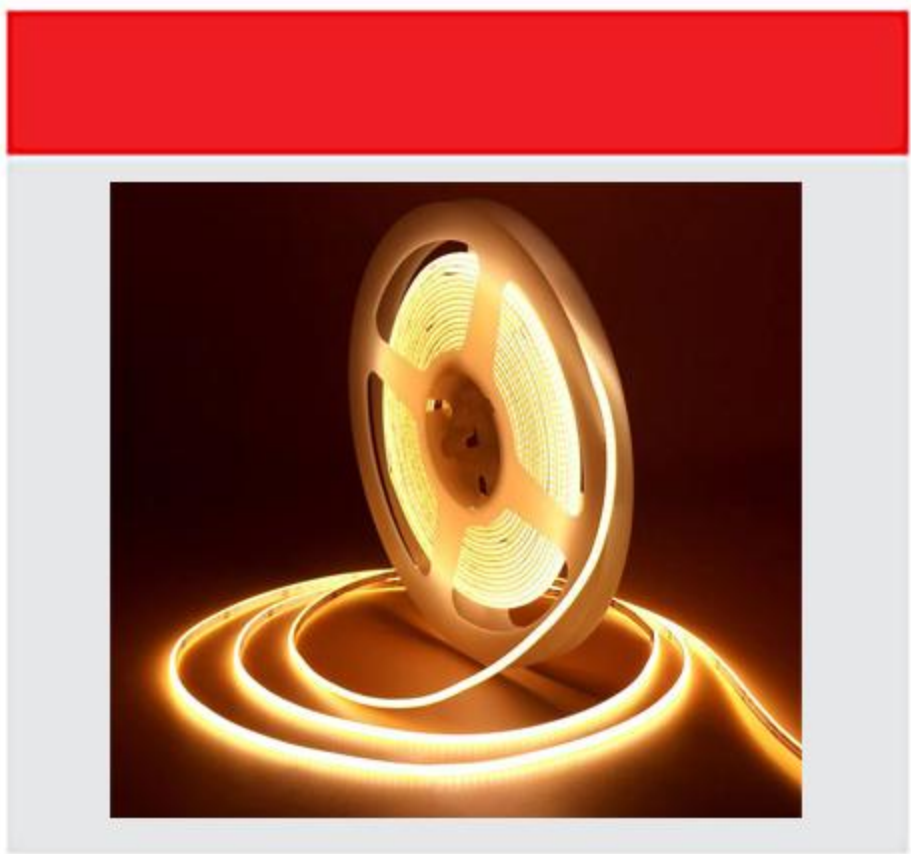
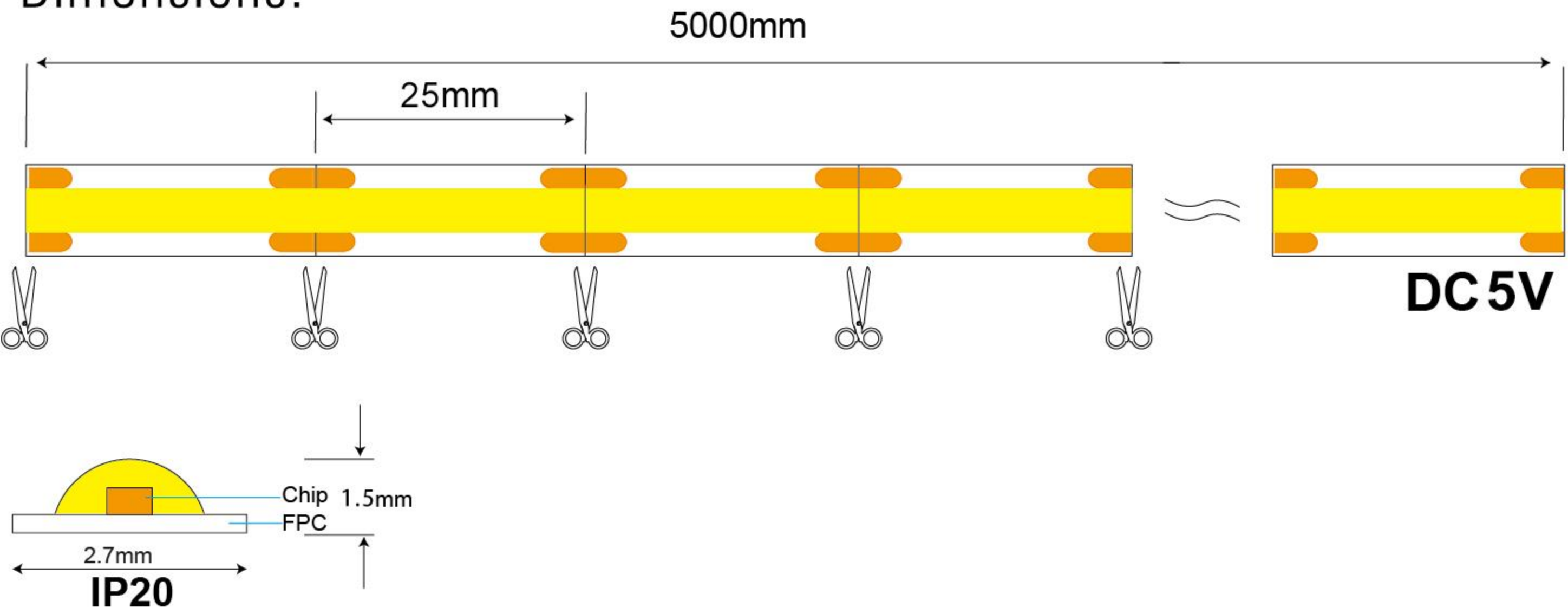
auxiliary material





SKY-FSLCOB-480L-2.7mm-5V

Dimensions:



General information

COB strip light adopted flip-chip on flexiable board technology.LED Chip is directly soldering and dispensing as a linear line without any gap by machine.Extremely narrow to 2.7mm. Soft light radiation and bigger view angle 180° Best option for delicating cabinet or shaped outline.

Technical Parameter:

Lumen package	475lm									
Power	5W									
Max Length	5m									
Kelvins	3000K	4000K	6500K	Red	Green	Yellow	Blue	Ice Blue	Purple	Pink
CRI	90									
Light efficiency	95									
Leds/m	480									
Voltage	5V									
Tape width	2.7mm									
Cutting length	25mm									
Waterproof grade	IP20									
Tc Temperture	<80°C									
Operating Temperture	-35°C~50°C									
Beam Angle	180°									
Dimmable	Yes									
Strip length per reel	5m/10m/50m (IP20)									



JIANGMEN SKYBALL ELECTRONIC&LIGHTING CO.,LTD.,
SKY-FSLCOB-408L-2.7mm-5V

A

B

C

D

E

F

G

5/M

kwh/1000h

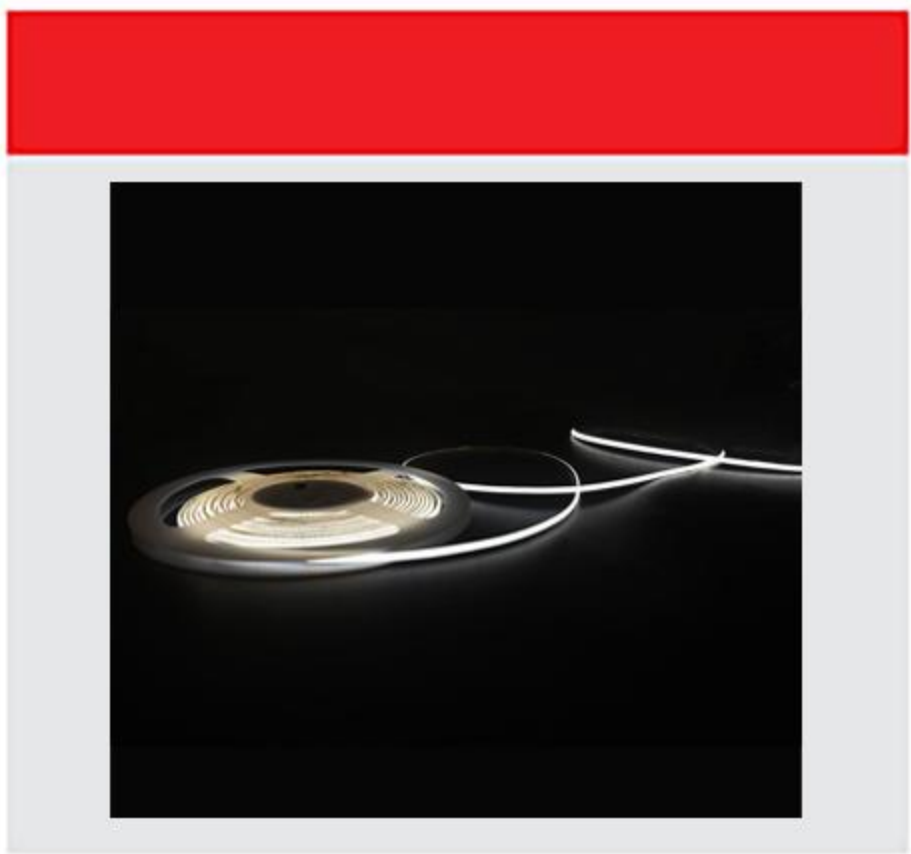
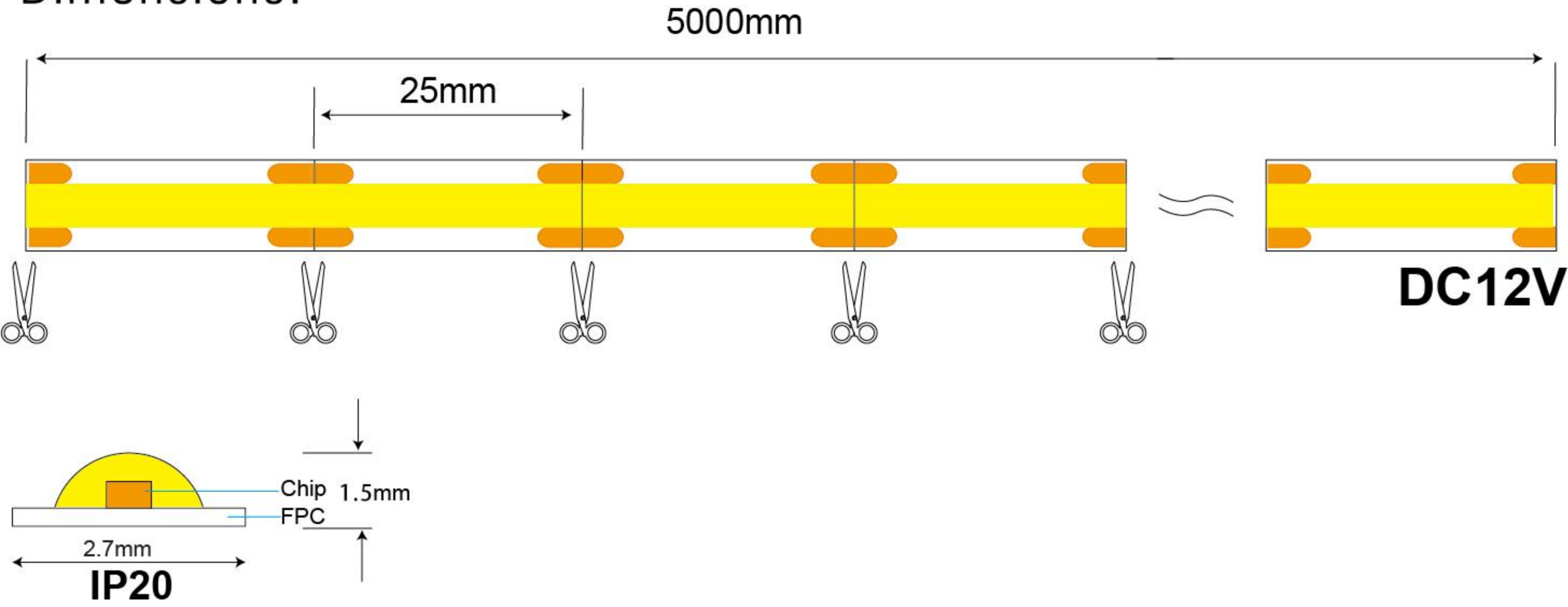
2019/2015

Disclaimer:the proudct details seen in photo may sightly different in real prouduct.For more information,please contact our sales.



SKY-FSLCOB-480L-2.7mm-12V

Dimensions:



General information

COB strip light adopted flip-chip on flexiable board technology.LED Chip is directly soldering and dispensing as a linear line without any gap by machine.Extremely narrow to 2.7mm. Soft light radiation and bigger view angle 180° Best option for delicating cabinet or shaped outline.

Technical Parameter:

Lumen package	475lm									
Power	5W									
Max Length	5m									
Kelvins	3000K	4000K	6500K	Red	Green	Yellow	Blue	Ice Blue	Purple	Pink
CRI	90									
Light efficiency	95									
Leds/m	480									
Voltage	12V									
Tape width	2.7mm									
Cutting length	25mm									
Waterproof grade	IP20									
Tc Temperture	<80°C									
Operating Temperture	-35°C~50°C									
Beam Angle	180°									
Dimmable	Yes									
Strip length per reel	5m/10m/50m (IP20)									

JIANGMEN SKYBALL ELECTRONIC&LIGHTING CO.,LTD.,
SKY-FSLCOB-408L-2.7mm-12V

A

B

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F

5/M

kwh/1000h

2019/2015

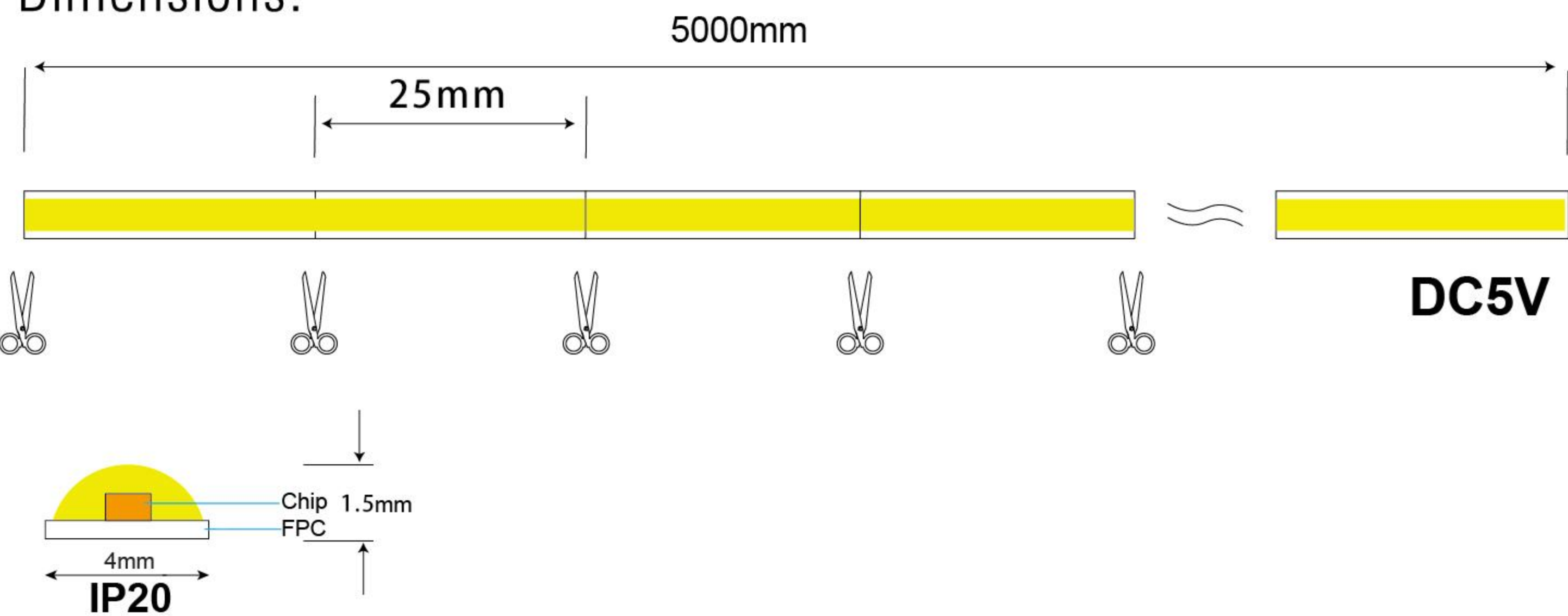


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SKY-FSLCOB-480L-4mm-5V

Dimensions:



General information

COB strip light adopted flip-chip on flexiable board technology.LED Chip is directly soldering and dispensing as a linear line without any gap by machine.Ultra thin 1.5mm,and extremely narrow width 4mm. Soft light radiation and bigger view angle 180° Best option for delicating cabinet or shaped Alumunum Profile linear light.

JIANGMEN SKYBALL ELECTRONIC&LIGHTING CO.,LTD,
SKY-FSLCOB-480L-4mm-5V

A

B

C

D

E

F

G

5/M

kwh/1000h

2019/2015

Technical Parameter:

Lumen package	950lm									
Power	5W									
Max Length	5m									
Kelvins	3000K	4000K	6500K	Red	Green	Yellow	Blue	Ice Blue	Purple	Pink
CRI	90									
Light efficiency	95									
Leds/m	480									
Voltage	5V									
Tape width	4mm									
Cutting length	25mm									
Waterproof grade	IP20/IP65/IP67									
Tc Temperture	<80°C									
Operating Temperture	-35°C~50°C									
Beam Angle	180°									
Dimmable	Yes									
Strip length per reel	5m(IP20)	10m(IP20)				50m(IP20)				

EPISTAR
SANAN
High quality
LEDs

3 Step
MacAdam

Stabilized
Current

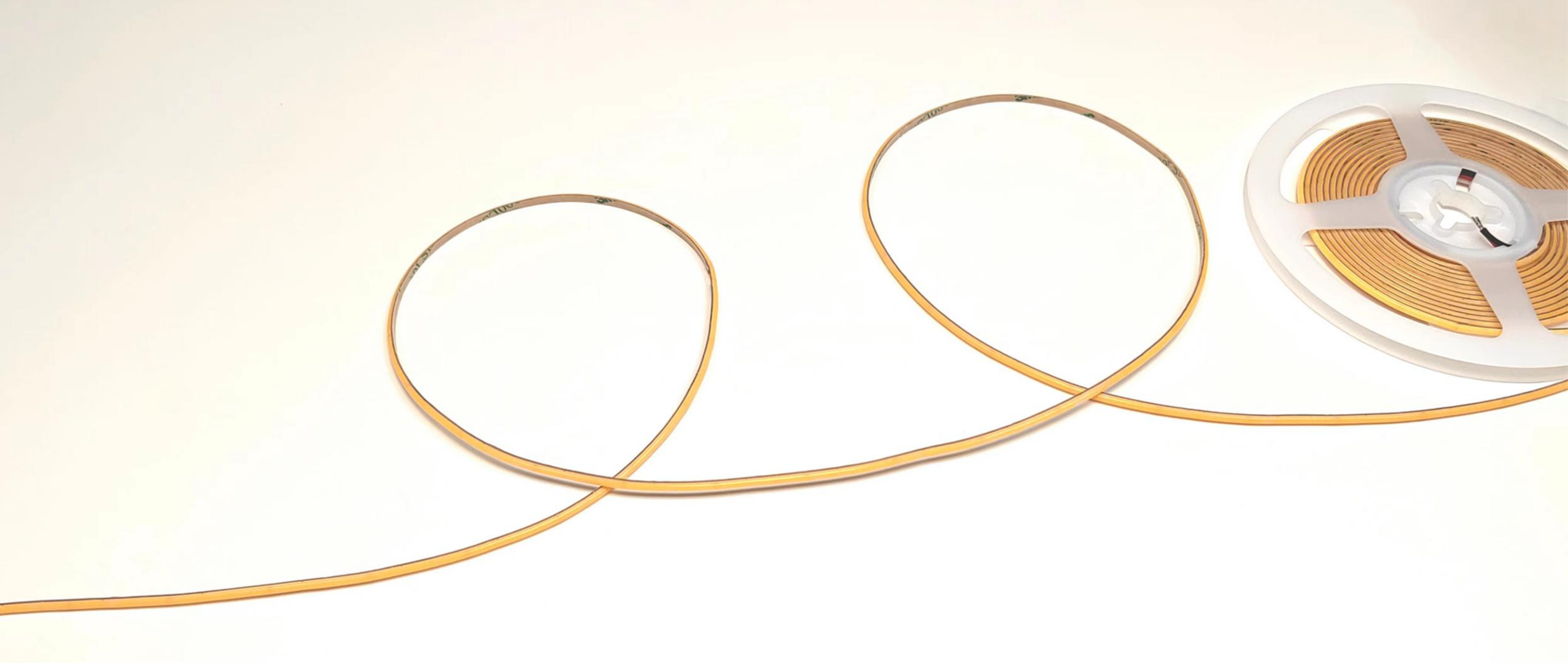
3-years
Warranty

LVD
EMC

2.0

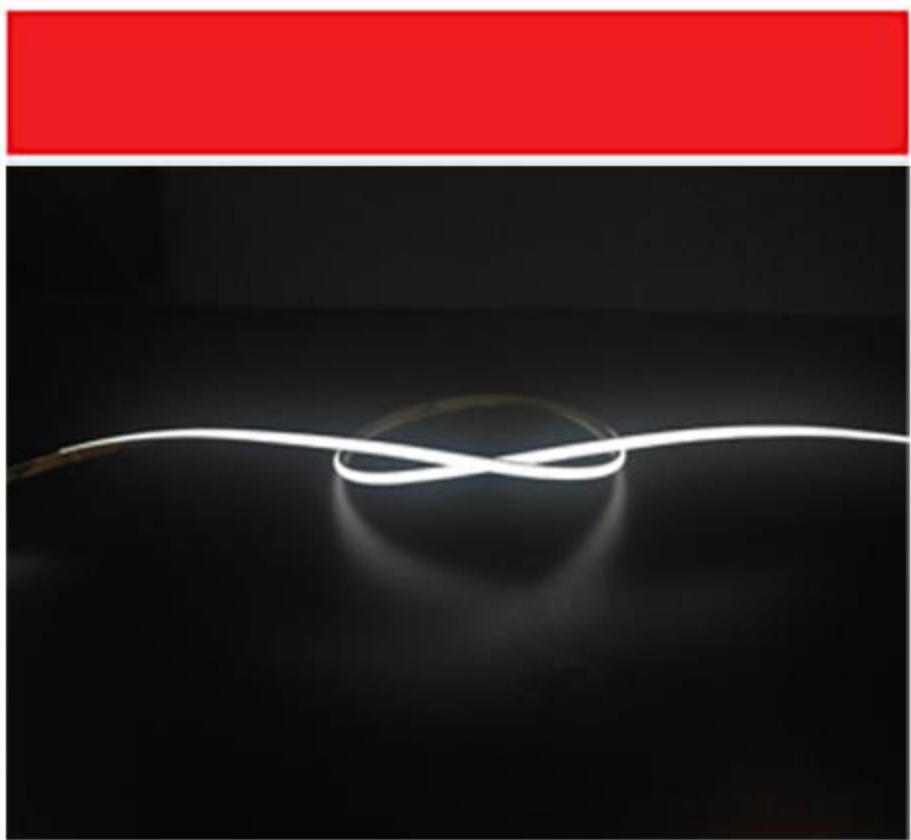
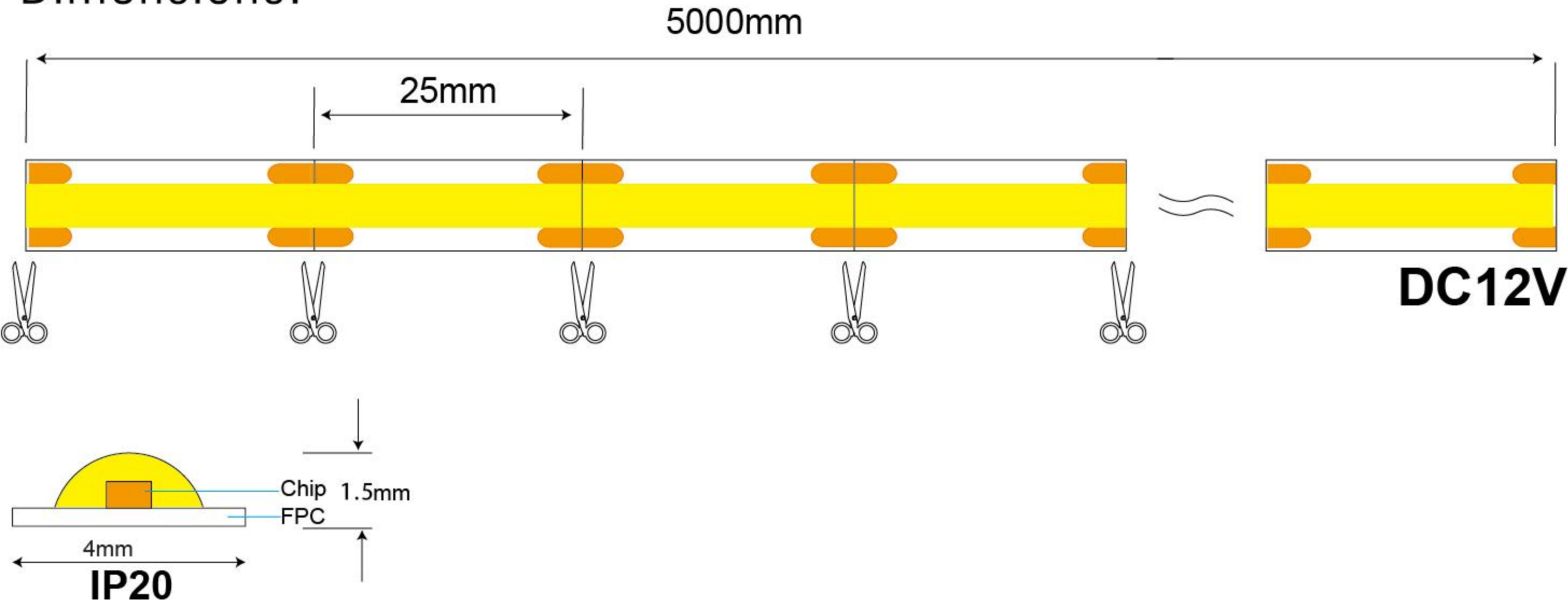
2.0

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SKY-FSLCOB-480L-4mm-12V

Dimensions:



General information

COB strip light adopted flip-chip on flexiable board technology.LED Chip is directly soldering and dispensing as a linear line without any gap by machine.Ultra thin 1.5mm,and extremely narrow width 4mm. Soft light radiation and bigger view angle 180° Best option for delicating cabinet or shaped Alumunum Profile linear light.

Technical Parameter:

Lumen package	475lm									
Power	5W									
Max Length	5m									
Kelvins	3000K	4000K	6500K	Red	Green	Yellow	Blue	Ice Blue	Purple	Pink
CRI	90									
Light efficiency	95									
Leds/m	480									
Voltage	12V									
Tape width	4mm									
Cutting length	25mm									
Waterproof grade	IP20									
Tc Temperture	<80°C									
Operating Temperture	-35°C~50°C									
Beam Angle	180°									
Dimmable	Yes									
Strip length per reel	5m/10m/50m (IP20)									

EPISTAR
SANAN
High quality
LEDs

3 Step
MacAdam

Stabilized
Current

3-years
Warranty

LVD
EMC

2.0

2.0

JIANGMEN SKYBALL ELECTRONIC&LIGHTING CO.,LTD.,
SKY-FSLCOB-480L-4mm-12V

A

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5/M

kwh/1000h

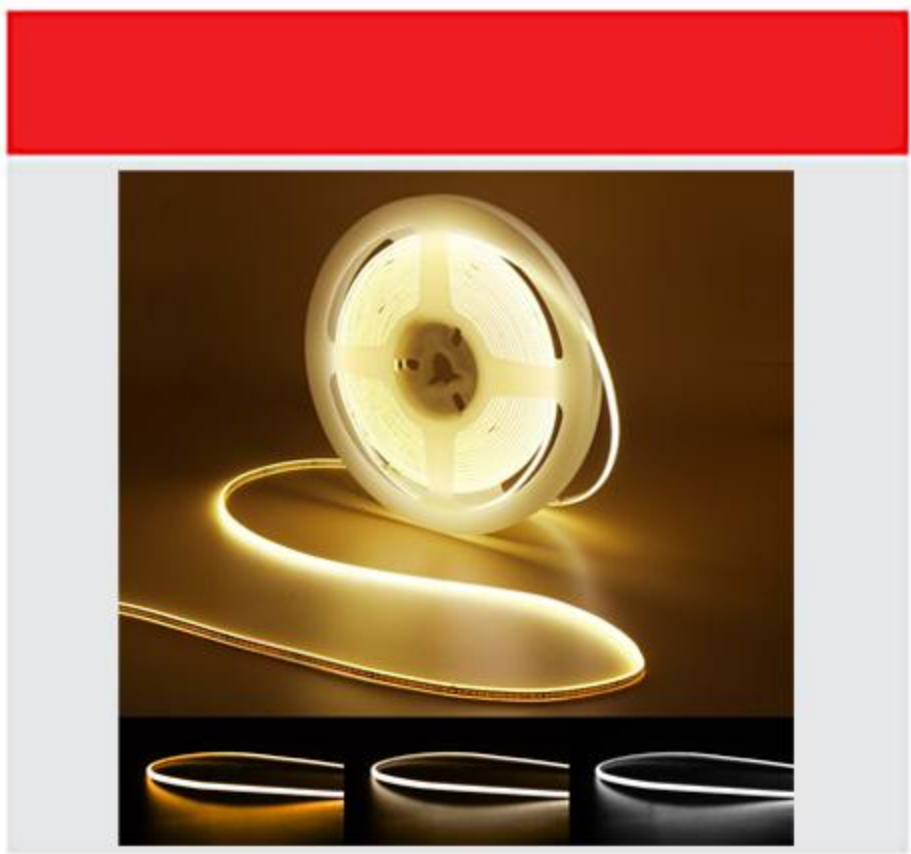
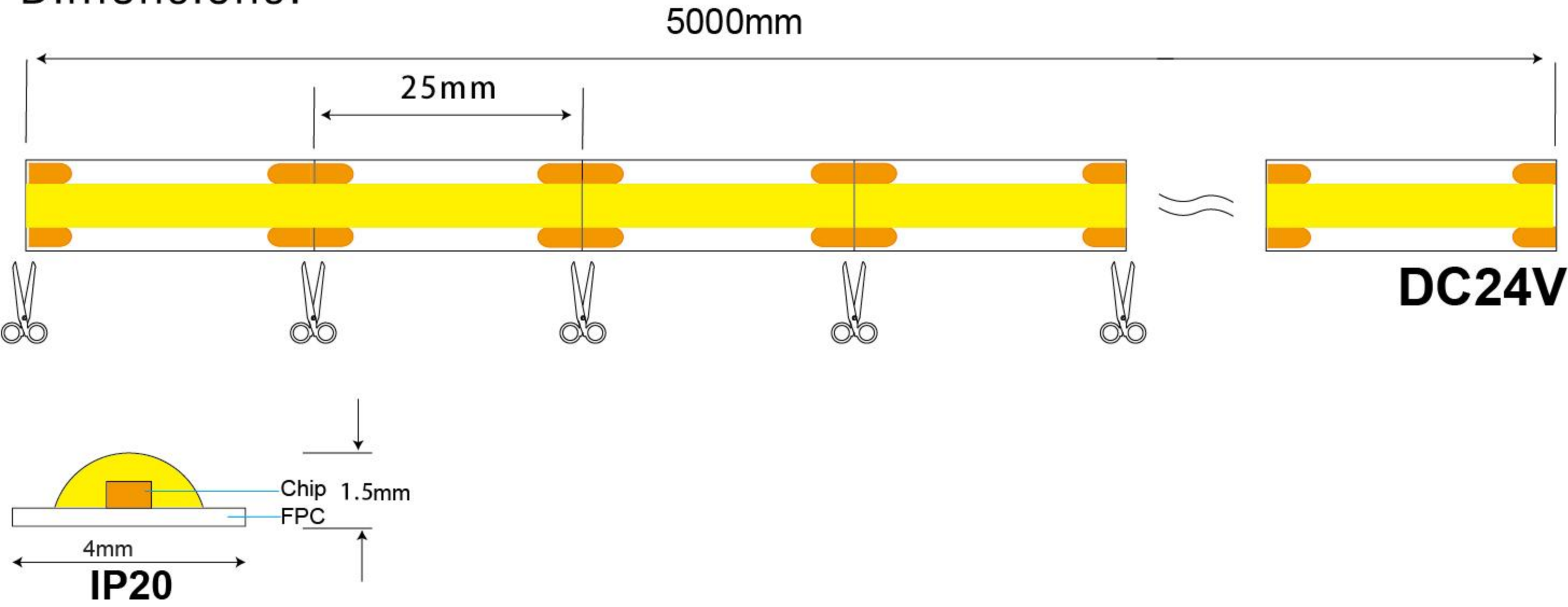
2019/2015

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SKY-FSLCOB-480L-4mm-24V

Dimensions:



General information

COB strip light adopted flip-chip on flexiable board technology.LED Chip is directly soldering and dispensing as a linear line without any gap by machine.Ultra thin 1.5mm,and extremely narrow width 4mm. Soft light radiation and bigger view angle 180° Best option for delicating cabinet or shaped Alumunum Profile linear light.

Technical Parameter:

Lumen package	475lm									
Power	5W									
Max Length	5m									
Kelvins	3000K	4000K	6500K	Red	Green	Yellow	Blue	Ice Blue	Purple	Pink
CRI	90									
Light efficiency	95									
Leds/m	480									
Voltage	24V									
Tape width	4mm									
Cutting length	25mm									
Waterproof grade	IP20									
Tc Temperture	<80°C									
Operating Temperture	-35°C~50°C									
Beam Angle	180°									
Dimmable	Yes									
Strip length per reel	5m/10m/50m (IP20)									



JIANGMEN SKYBALL ELECTRONIC&LIGHTING CO.,LTD.,
SKY-FSLCOB-480L-4mm-24V

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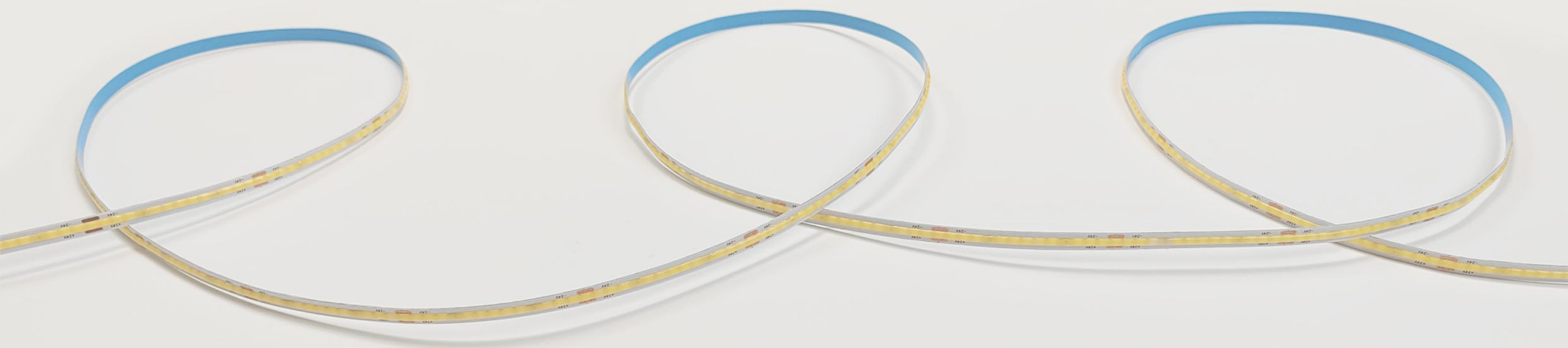
G

5/M

kwh/1000h

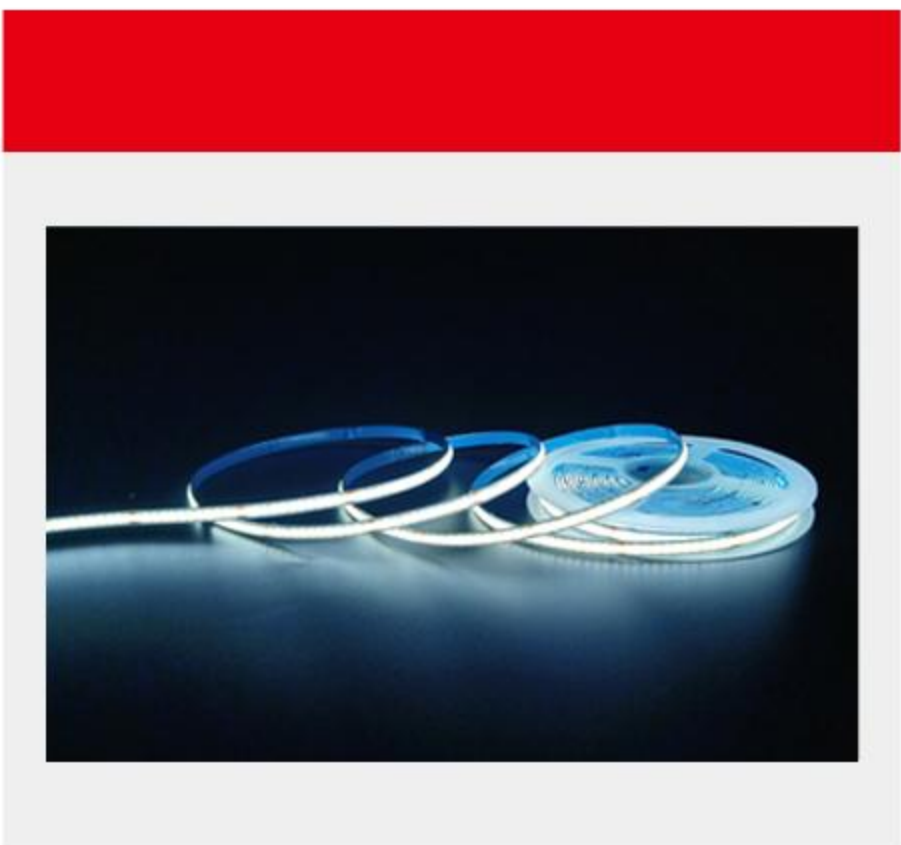
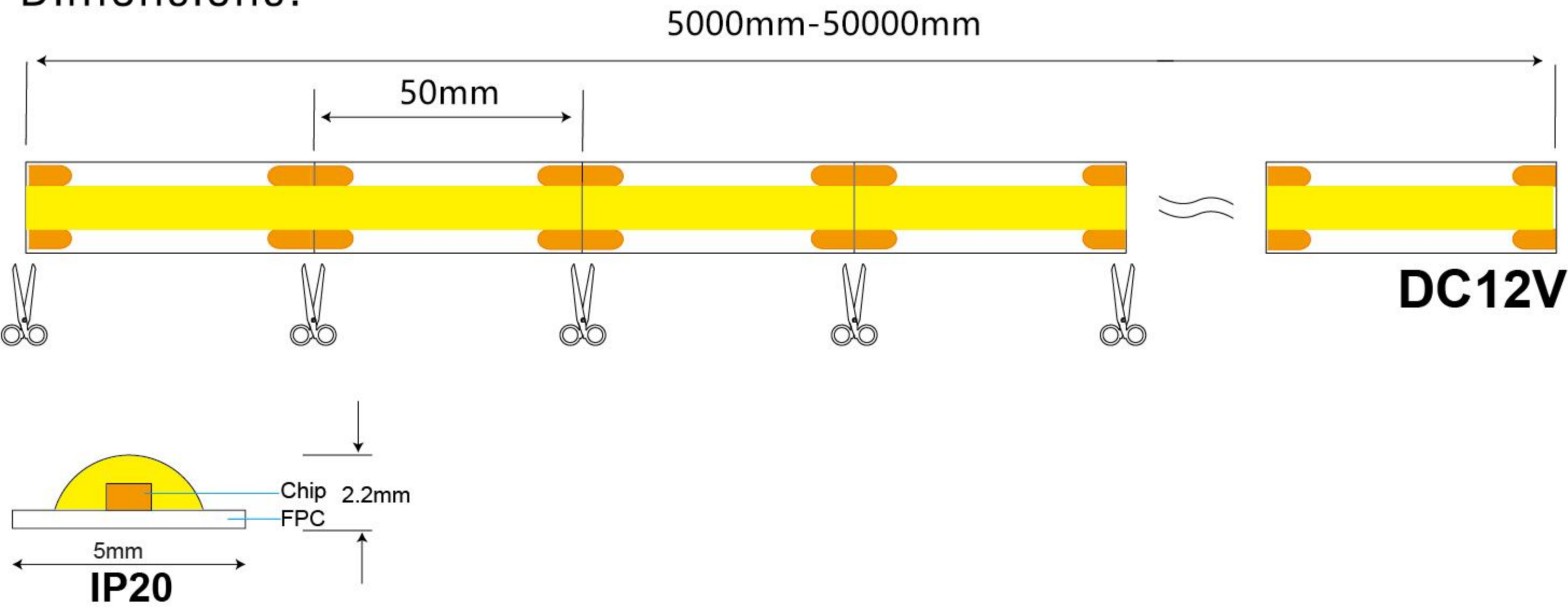
2019/2015

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SKY-FSLCOB-252L-5mm-12V

Dimensions:



General information

COB strip light adopted flip-chip on flexiable board technology.LED Chip is directly soldering and dispensing as a linear line without any gap by machine.Skyball COB strip light adopted roll to roll technology. R2R Mini COB strip light width is only 5mm but it can realize any single color and RGB and RGB digital light effect.Roll to roll die-bonding shorten the production process and improving the production efficiency as it avoid the handing loss and time wasting due to process transfer.Roll to roll FPC avoid the hand fake welding and dry joint and insufficient soldering.It make the quality very steady.The first pass yield of Skyball COB strip is 99.8%

JIANGMEN SKYBALL ELECTRONIC&LIGHTING CO.,LTD.,
SKY-FSLCOB-252L-5mm-12V

A

B

C

D

E

F

G

10/M

kwh/1000h

2019/2015

Technical Parameter:

Lumen package	600lm									
Power	10W									
Max Length	5m									
Kelvins	3000K	4000K	6500K	Red	Green	Yellow	Blue	Ice Blue	Purple	Pink
CRI	80									
Light efficiency	95									
Leds/m	252									
Voltage	12V									
Tape width	5mm									
Cutting length	50mm									
Waterproof grade	IP20/IP65/IP67									
Tc Temperture	<80°C									
Operating Temperture	-35°C~50°C									
Beam Angle	180°									
Dimmable	Yes									
Strip length per reel	5m(IP20/65/67)	10m(IP20)	50m(IP20)							

EPISTAR
SANAN
High quality
LEDs

3 Step
MacAdam

Stabilized
Current

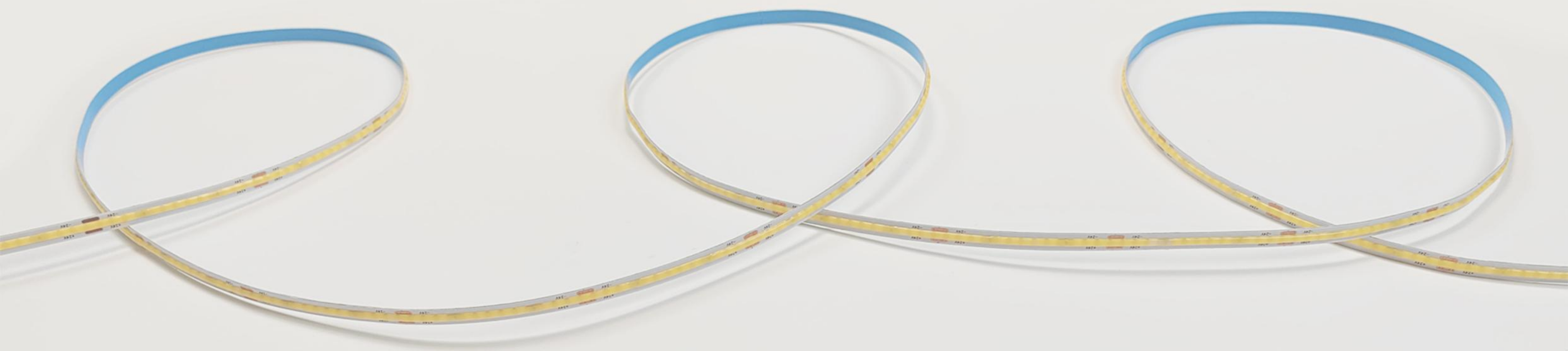
3-years
Warranty

LVD
EMC

2.0

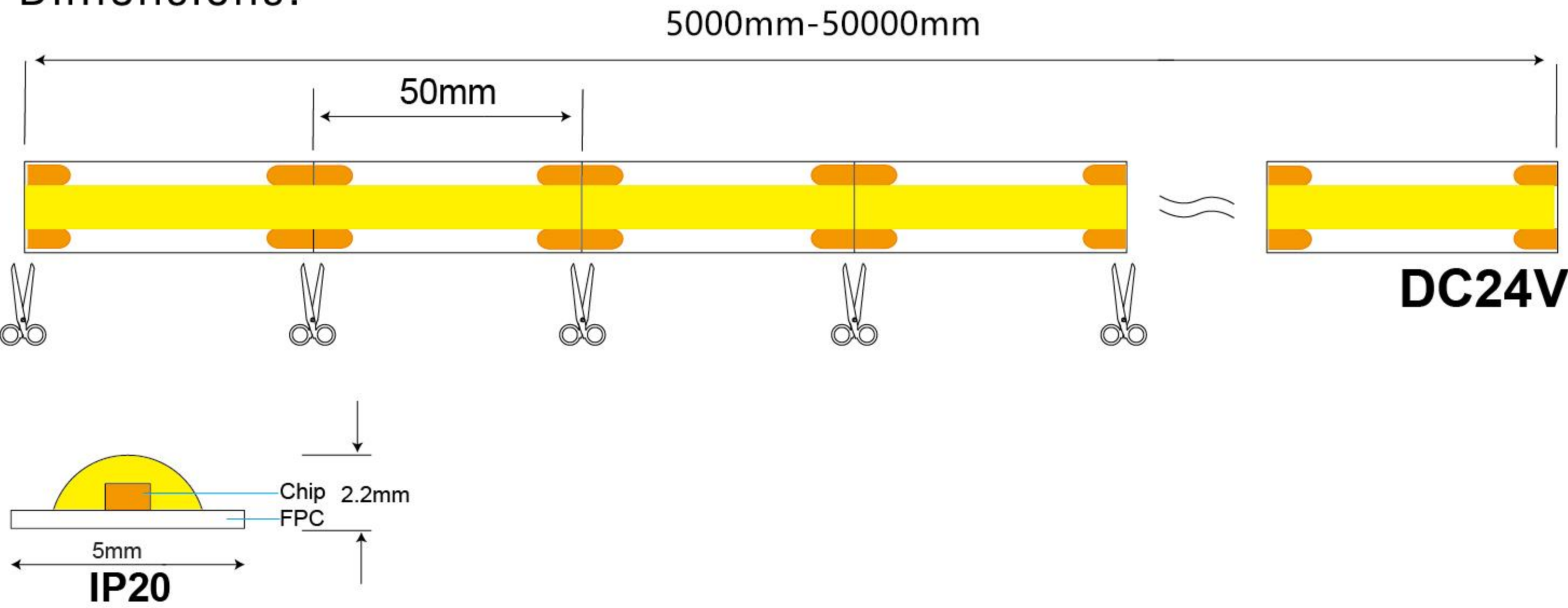
2.0

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SKY-FSLCOB-252L-5mm-24V

Dimensions:



Technical Parameter:

Lumen package	600lm									
Power	10W									
Max Length	10m									
Kelvins	3000K	4000K	6500K	Red	Green	Yellow	Blue	Ice Blue	Purple	Pink
CRI	80									
Light efficiency	95									
Leds/m	252									
Voltage	24V									
Tape width	5mm									
Cutting length	50mm									
Waterproof grade	IP20/IP65/IP67									
Tc Temperture	<80°C									
Operating Temperture	-35°C~50°C									
Beam Angle	180°									
Dimmable	Yes									
Strip length per reel	5m(IP20/65/67)	10m(IP20)	50m(IP20)							



General information

COB strip light adopted flip-chip on flexiable board technology.LED Chip is directly soldering and dispensing as a linear line without any gap by machine.Skyball COB strip light adopted roll to roll technology. R2R Mini COB strip light width is only 5mm but it can realize any single color and RGB and RGB digital light effect.Roll to roll die-bonding shorten the production process and improving the production efficiency as it avoid the handing loss and time wasting due to process transfer.Roll to roll FPC avoid the hand fake welding and dry joint and insufficient soldering.It make the quality very steady.The first pass yield of Skyball COB strip is 99.8%

JIANGMEN SKYBALL ELECTRONIC&LIGHTING CO.,LTD.,
SKY-FSLCOB-252L-5mm-24V

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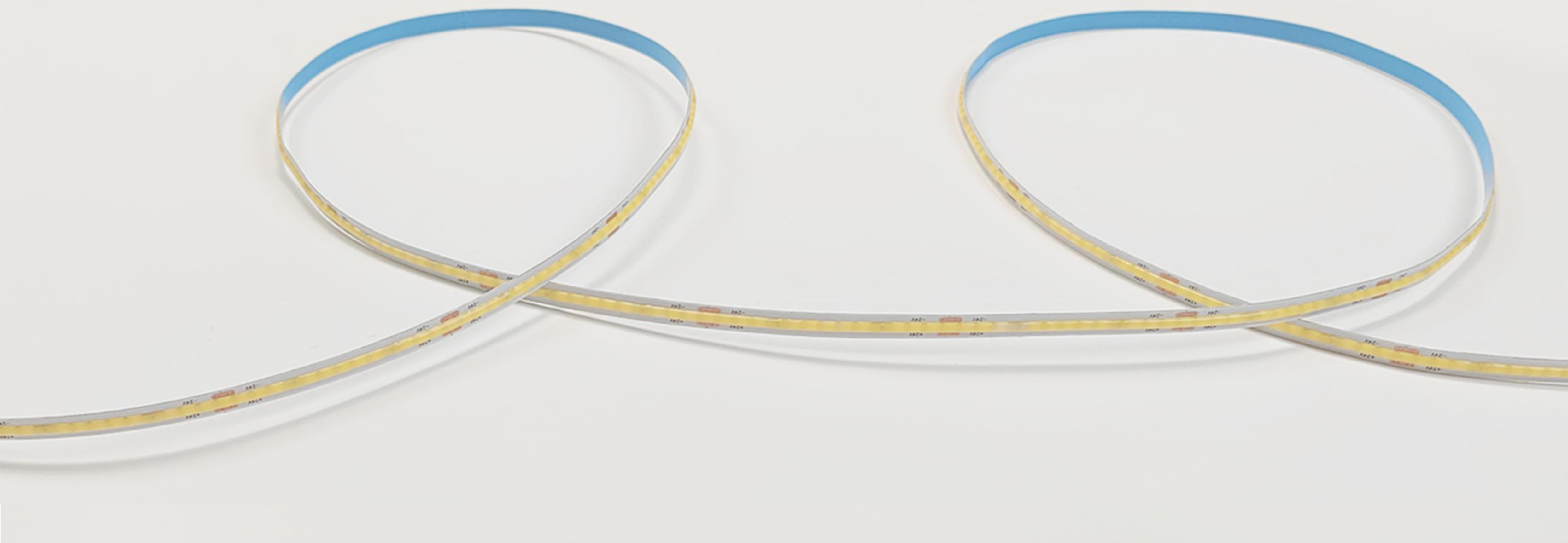
G

F

10/M
kwh/1000h

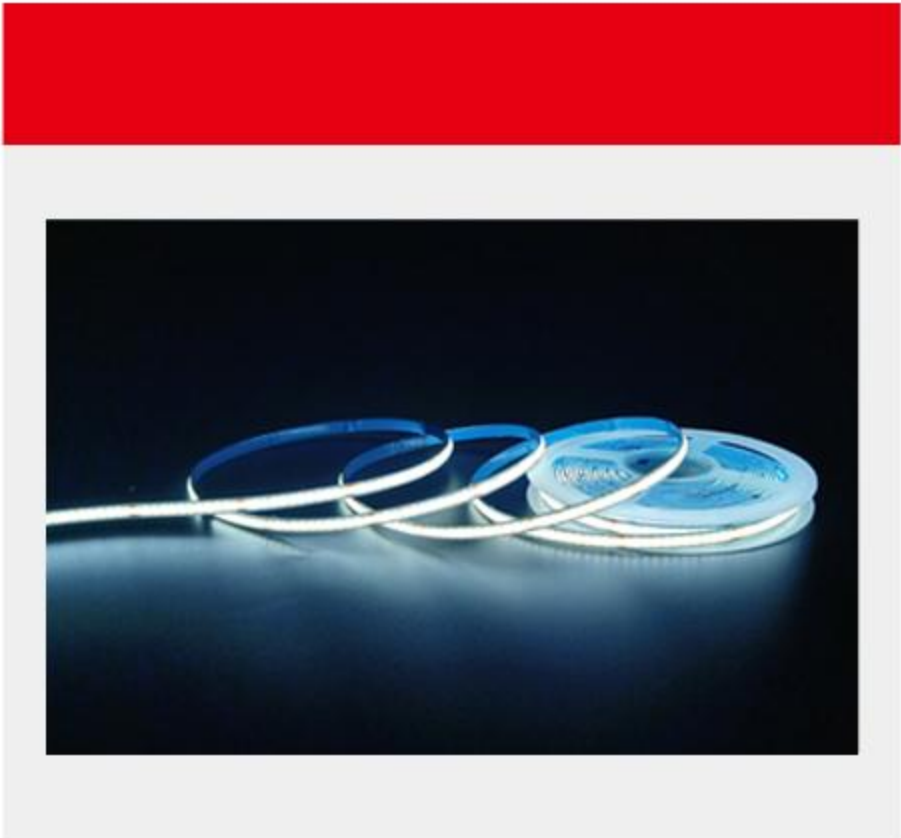
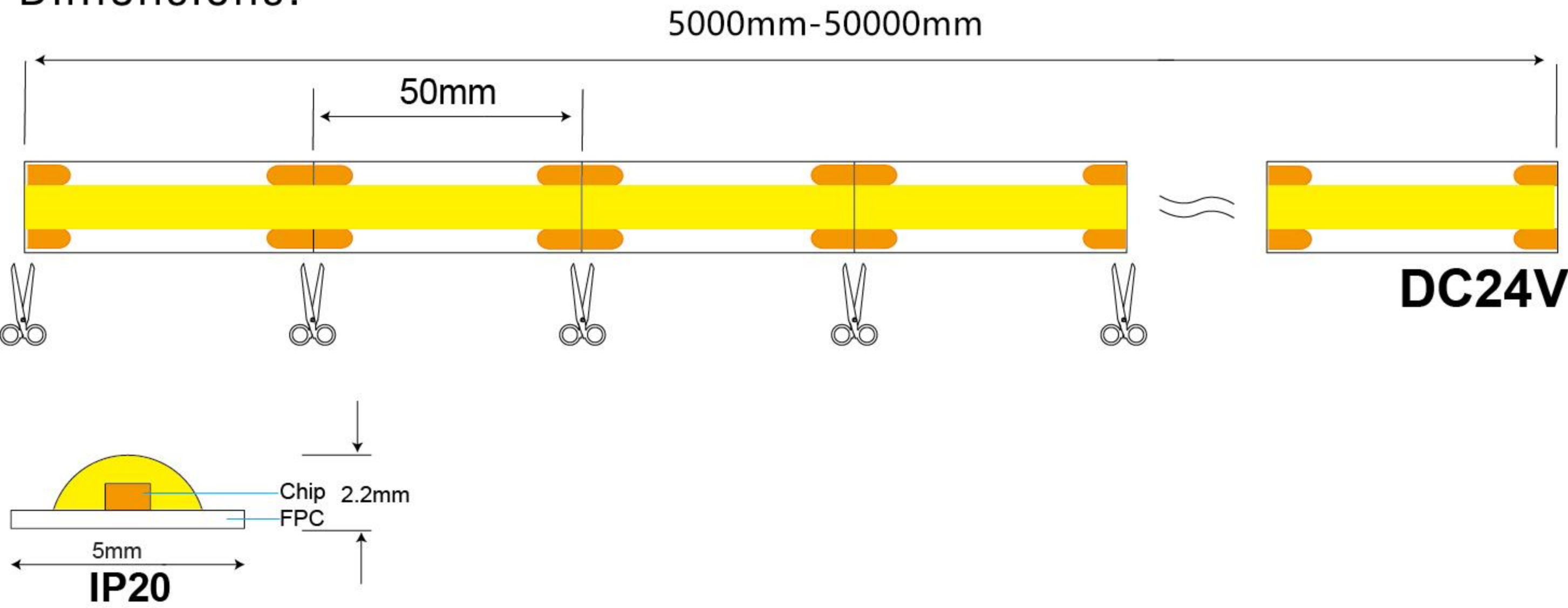
2019/2015

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SKY-FSLCOB-280L-5mm-24V

Dimensions:



General information

COB strip light adopted flip-chip on flexiable board technology.LED Chip is directly soldering and dispensing as a linear line without any gap by machine.Skyball COB strip light adopted roll to roll technology. R2R Mini COB strip light width is only 5mm but it can realize any single color and RGB and RGB digital light effect.Roll to roll die-bonding shorten the production process and improving the production efficiency as it avoid the handing loss and time wasting due to process transfer.Roll to roll FPC avoid the hand fake welding and dry joint and insufficient soldering.It make the quality very steady.The first pass yield of Skyball COB strip is 99.8%

Technical Parameter:

Lumen package	600lm									
Power	10W									
Max Length	10m									
Kelvins	3000K	4000K	6500K	Red	Green	Yellow	Blue	Ice Blue	Purple	Pink
CRI	90									
Light efficiency	95									
Leds/m	280									
Voltage	24V									
Tape width	5mm									
Cutting length	50mm									
Waterproof grade	IP20/IP65/IP67									
Tc Temperture	<80°C									
Operating Temperture	-35°C~50°C									
Beam Angle	180°									
Dimmable	Yes									
Strip length per reel	5m(IP20/65/67)	10m(IP20)	50m(IP20)							

EPISTAR SANAN High quality LEDs	3 Step MacAdam	Stabilized Current	3-years Warranty	CE LVD EMC	ROHS 2.0	ERP 2.0
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JIANGMEN SKYBALL ELECTRONIC&LIGHTING CO.,LTD.,
SKY-FSLCOB-280L-5mm-24V

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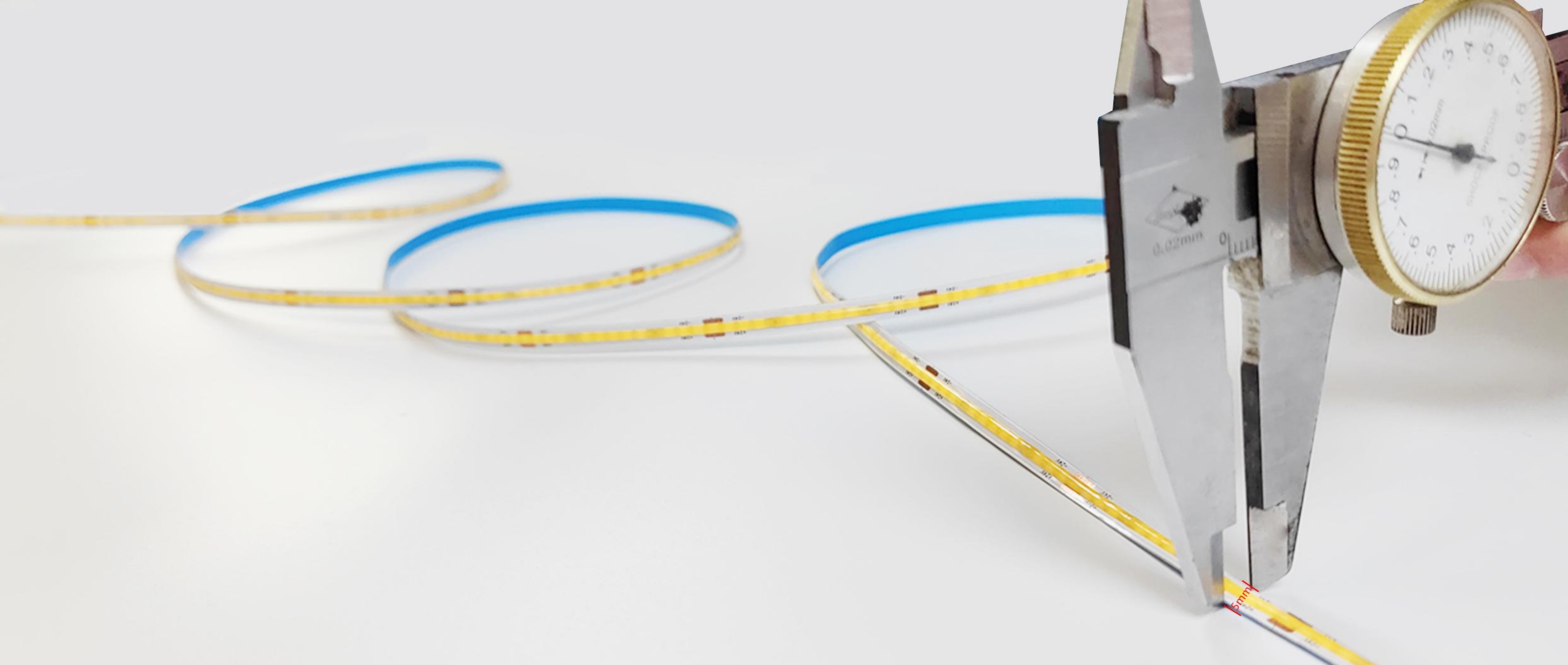
F

10/M

kwh/1000h

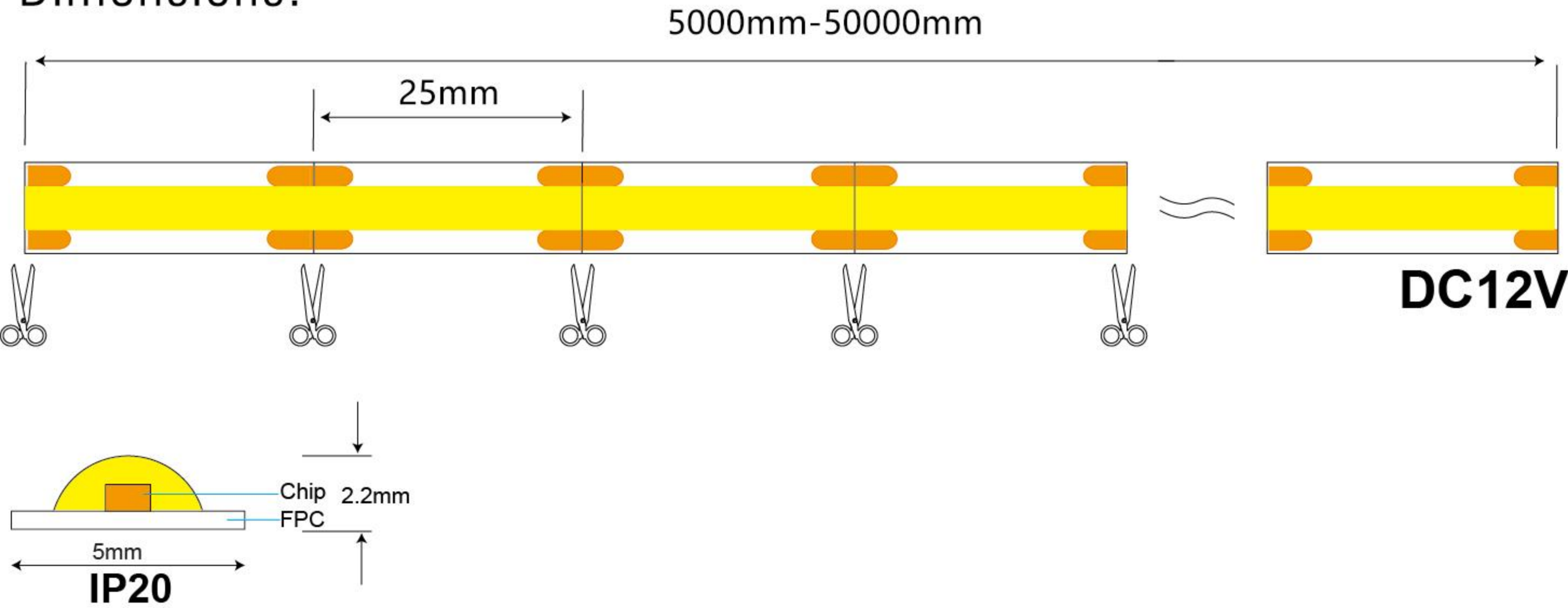
2019/2015

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SKY-FSLCOB-480L-5mm-12V

Dimensions:



General information

COB strip light adopted flip-chip on flexiable board technology.LED Chip is directly soldering and dispensing as a linear line without any gap by machine.Skyball COB strip light adopted roll to roll technology. R2R Mini COB strip light width is only 5mm but it can realize any single color and RGB and RGB digital light effect.Roll to roll die-bonding shorten the production process and improving the production efficiency as it avoid the handing loss and time wasting due to process transfer.Roll to roll FPC avoid the hand fake welding and dry joint and insufficient soldering.It make the quality very steady.The first pass yield of Skyball COB strip is 99.8%

Technical Parameter:

Lumen package	760lm									
Power	8W									
Max Length	5m									
Kelvins	3000K	4000K	6500K	Red	Green	Yellow	Blue	Ice Blue	Purple	Pink
CRI	90									
Light efficiency	95									
Leds/m	480									
Voltage	12V									
Tape width	5mm									
Cutting length	25mm									
Waterproof grade	IP20/IP65/IP67									
Tc Temperture	<80°C									
Operating Temperture	-35°C~50°C									
Beam Angle	180°									
Dimmable	Yes									
Strip length per reel	5m(IP20/65/67)	10m(IP20)	50m(IP20)							

EPISTAR
SANAN
High quality
LEDs

3 Step
MacAdam

Stabilized
Current

3-years
Warranty

LVD
EMC

2.0

2.0

JIANGMEN SKYBALL ELECTRONIC&LIGHTING CO.,LTD.,
SKY-FSLCOB-480L-5mm-12V

A

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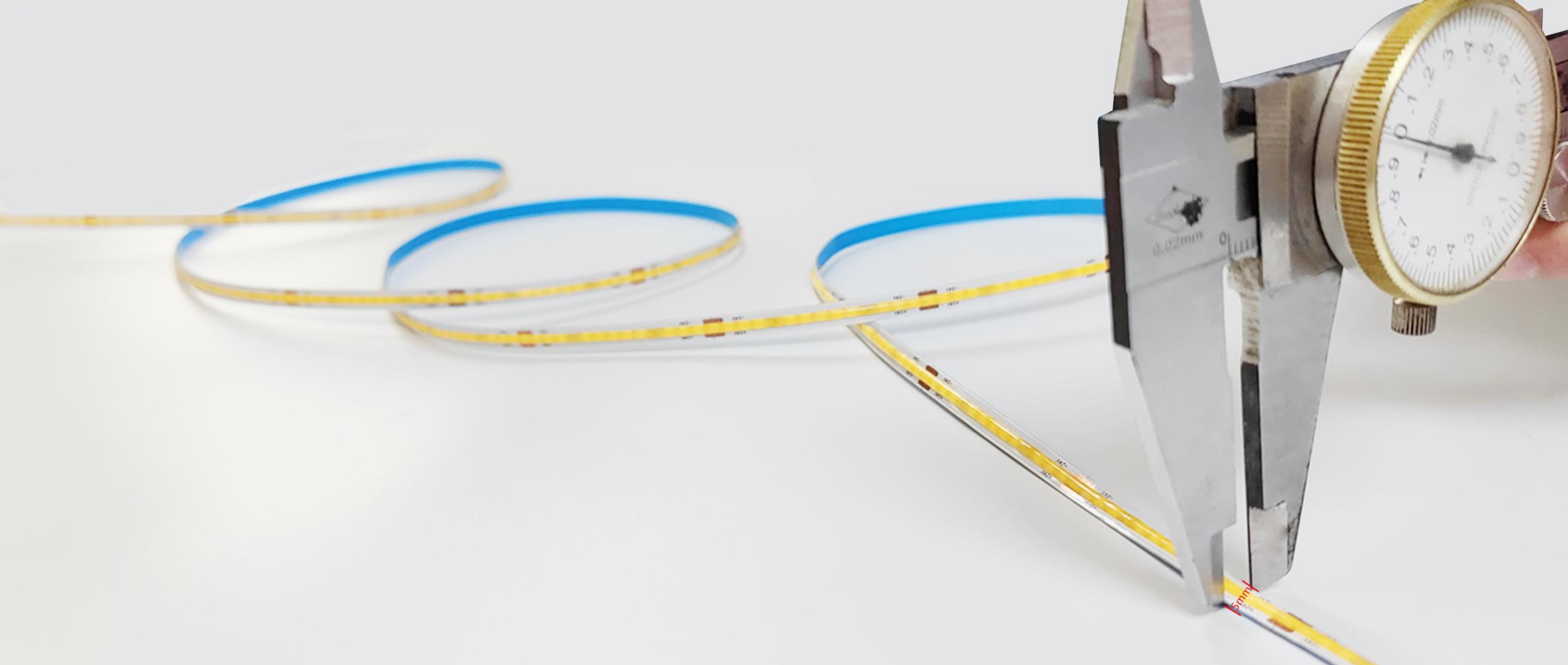
G

8/M

kwh/1000h

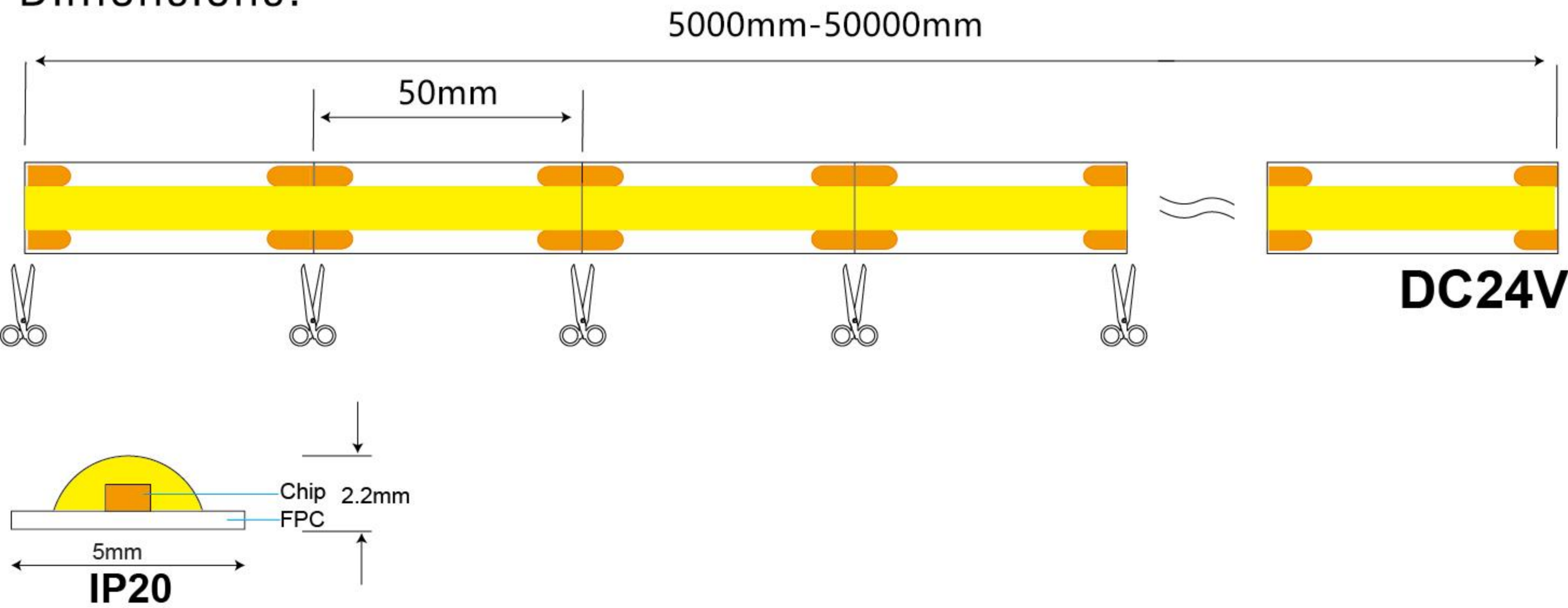
2019/2015

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SKY-FSLCOB-480L-5mm-24V

Dimensions:



General information

COB strip light adopted flip-chip on flexiable board technology.LED Chip is directly soldering and dispensing as a linear line without any gap by machine.Skyball COB strip light adopted roll to roll technology. R2R Mini COB strip light width is only 5mm but it can realize any single color and RGB and RGB digital light effect.Roll to roll die-bonding shorten the production process and improving the production efficiency as it avoid the handing loss and time wasting due to process transfer.Roll to roll FPC avoid the hand fake welding and dry joint and insufficient soldering.It make the quality very steady.The first pass yield of Skyball COB strip is 99.8%

Technical Parameter:

Lumen package	760lm									
Power	8W									
Max Length	10m									
Kelvins	3000K	4000K	6500K	Red	Green	Yellow	Blue	Ice Blue	Purple	Pink
CRI	90									
Light efficiency	95									
Leds/m	480									
Voltage	24V									
Tape width	5mm									
Cutting length	50mm									
Waterproof grade	IP20/IP65/IP67									
Tc Temperture	<80°C									
Operating Temperture	-35°C~50°C									
Beam Angle	180°									
Dimmable	Yes									
Strip length per reel	5m(IP20/65/67)	10m(IP20)	50m(IP20)							

EPISTAR SANAN High quality LEDs	3 Step MacAdam	Stabilized Current	3-years Warranty	CE LVD EMC	ROHS 2.0	ERP 2.0
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JIANGMEN SKYBALL ELECTRONIC&LIGHTING CO.,LTD.,
SKY-FSLCOB-480L-5mm-24V

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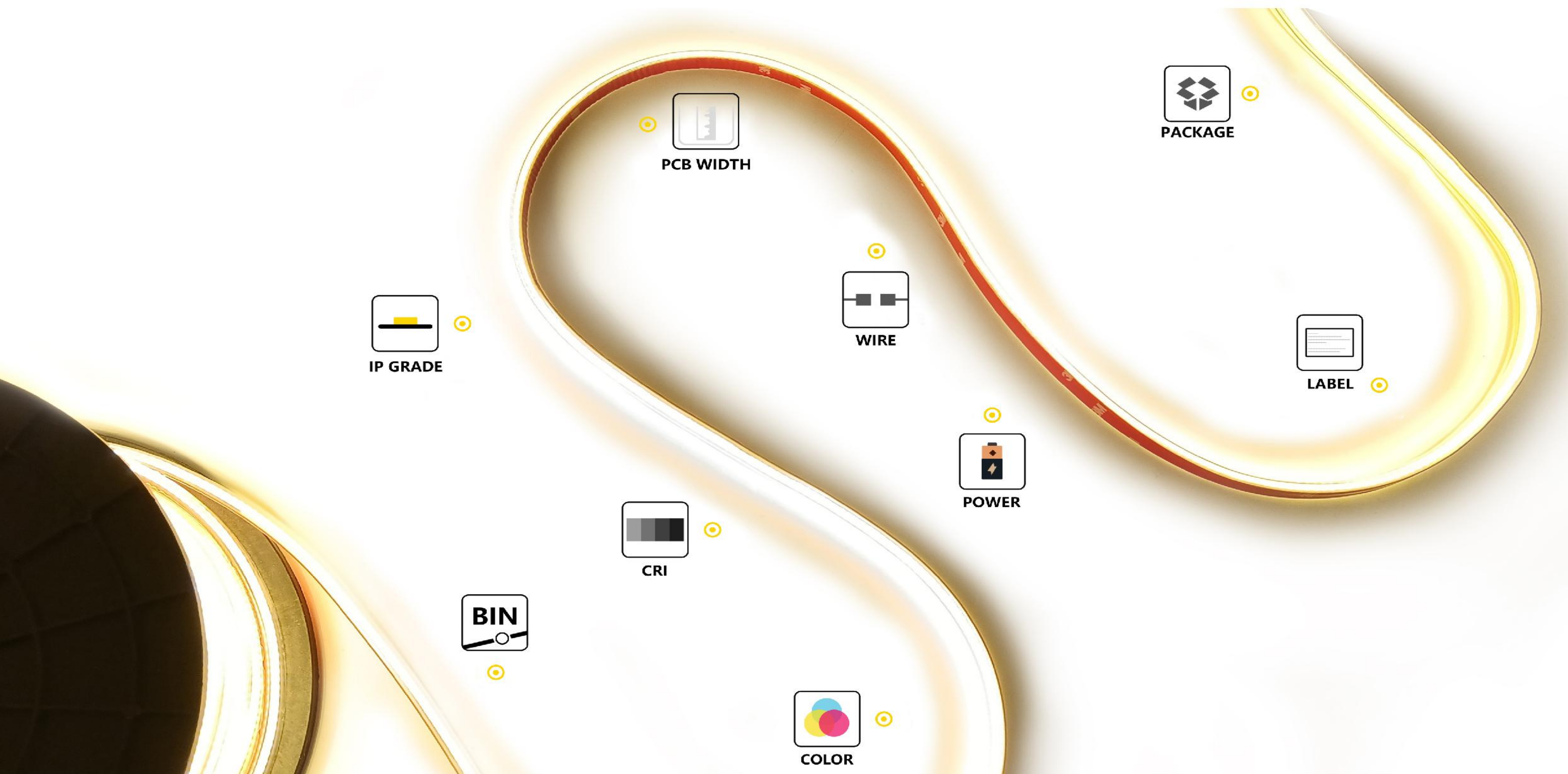
8/M

kwh/1000h

2019/2015

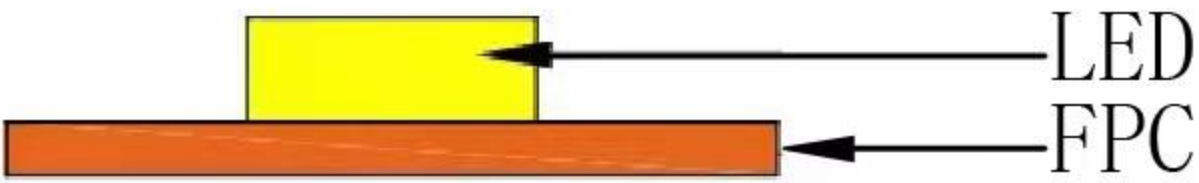
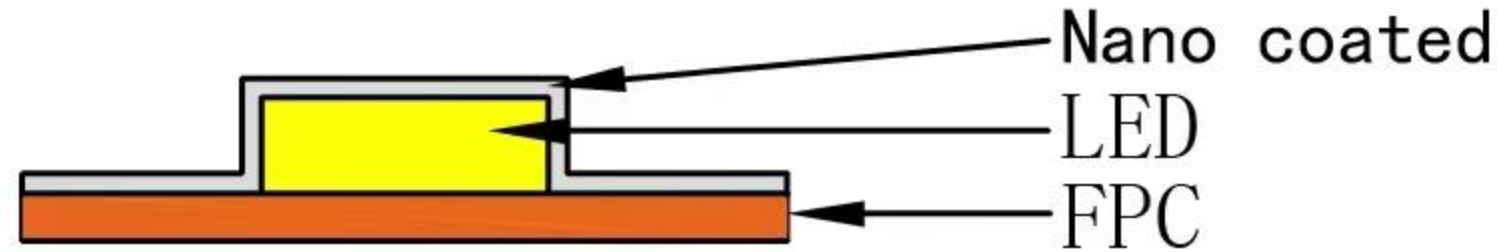
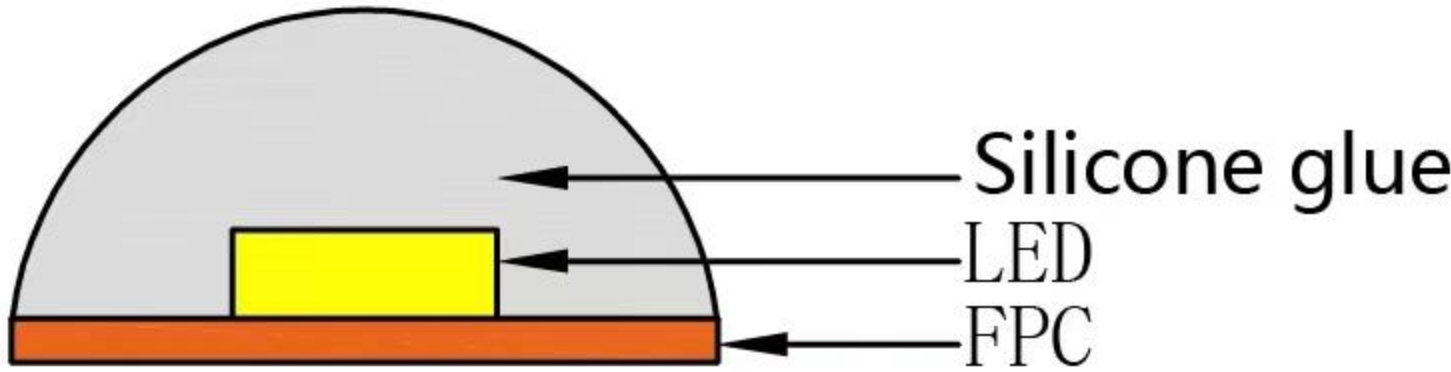
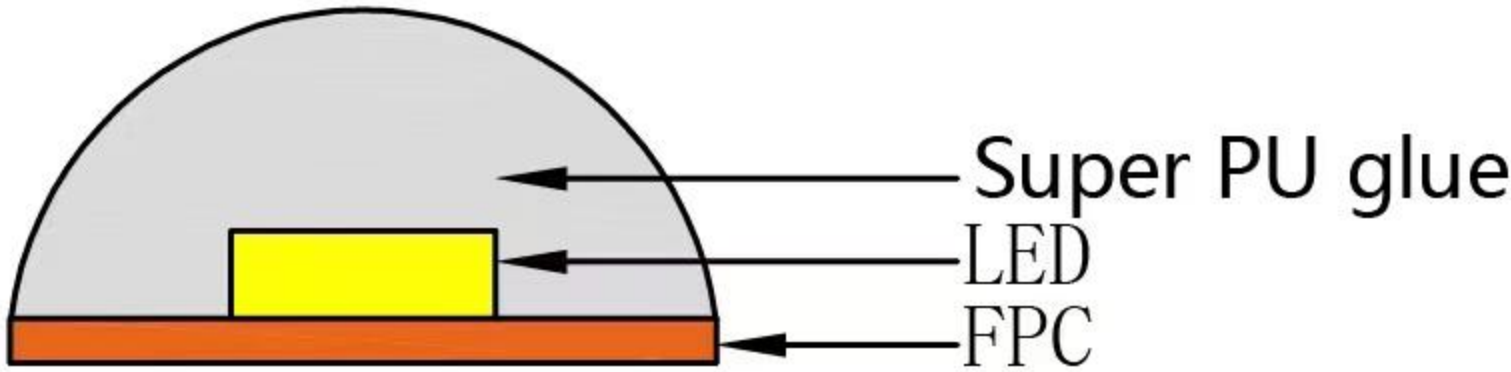
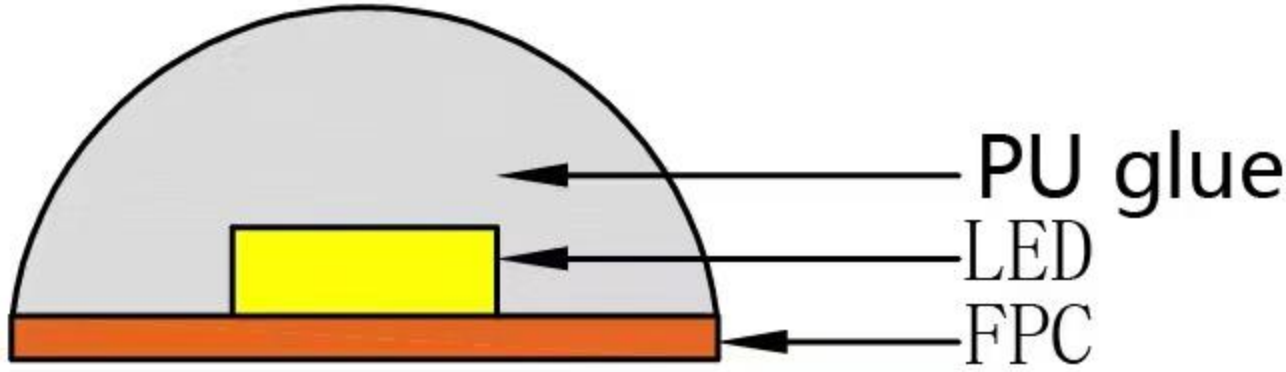
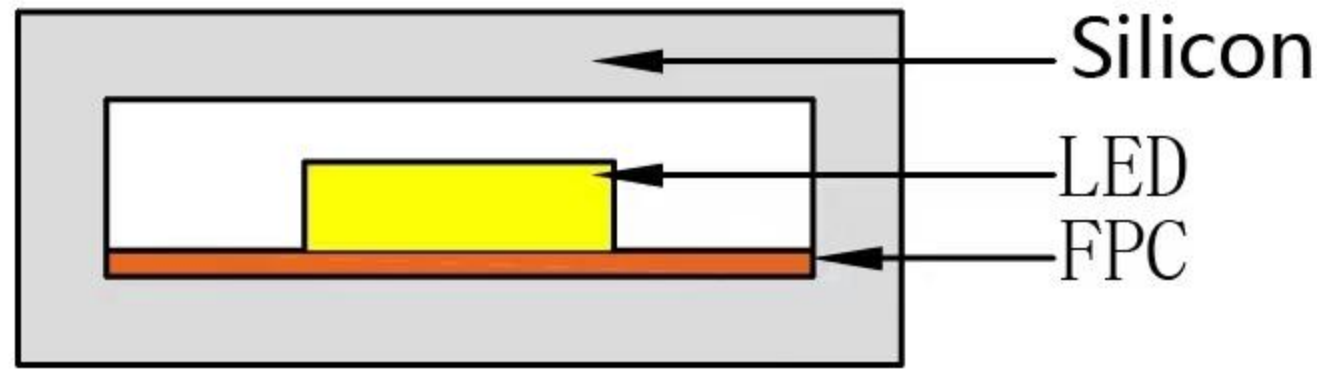
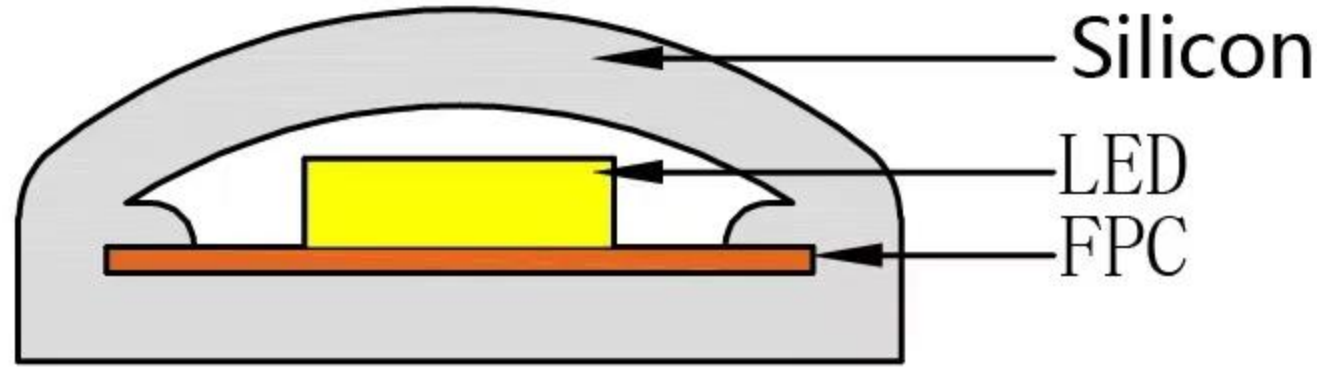
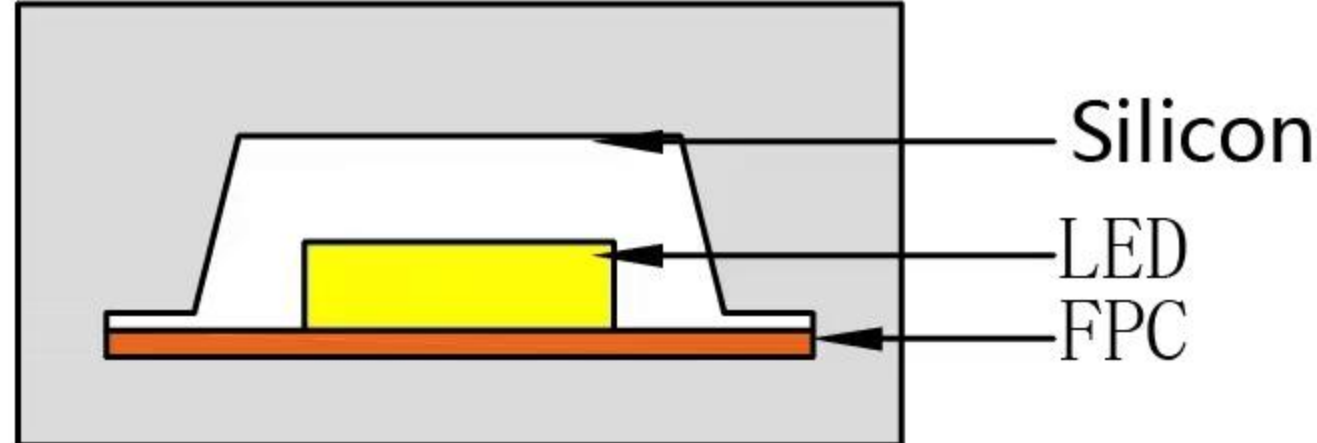
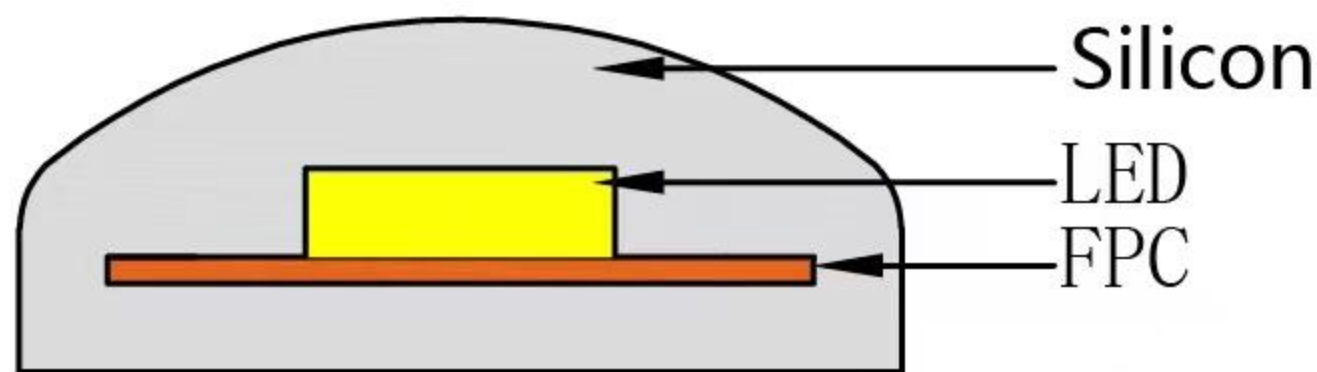
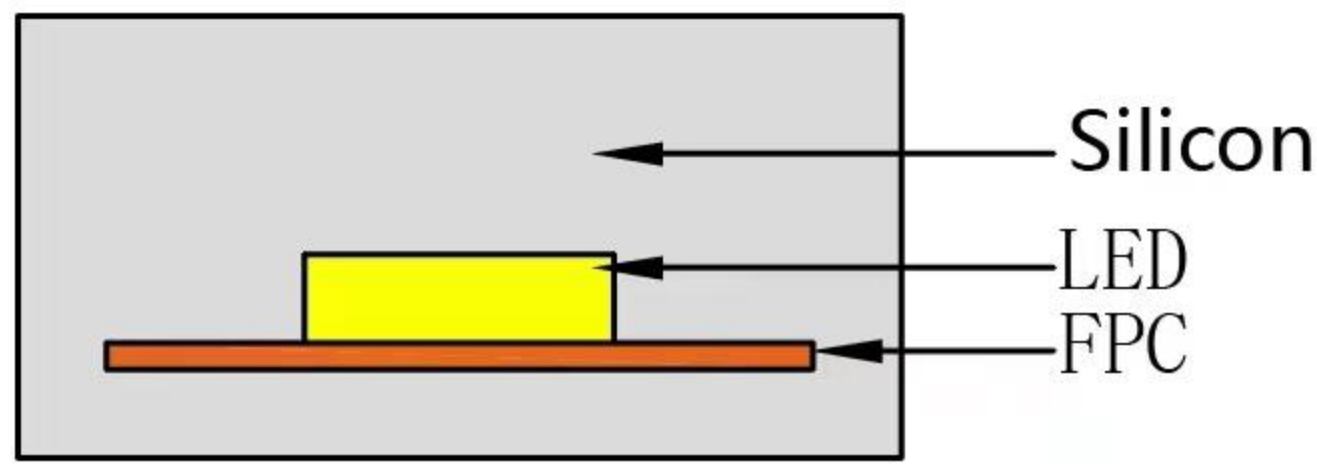
Disclaimer:the proudct details seen in photo may sightly different in real prouduct.For more information,please contact our sales.

Personalizzazione OEM-ODM



LED Strip Light Back Adhesive Sticker option			
ADHESIVE TAPE			
3M 200MP		Adhesive Thickness mils(mm) 5.2mils (0.13mm)	Adhesion to Stainless Steel 7.0N/CM
Normal Indoor use			
3M 300MP		4.8mils (0.12mm)	8.6N/CM
Normal Indoor use			
3M 9080 Tape		12.8mils (0.32mm)	7.5N/CM
Normal Indoor use			
3M 9448A		12.8mils (0.32mm)	7.5N/CM
Normal Indoor Using			
3M 4229 Tape		30.4mils (0.76mm)	20.0N/CM
For Waterproof Strips			
Tesa 4965		8.2mils (0.205mm)	14.0N/CM
For Aluminum Prgfile			
Blue Tape		4.0mils (0.10mm)	6.0N/CM
For Wattage Strips			

Waterproofing grade construction

IP Grade	Structure	Waterproof Type	Application Environment
IP20	 LED FPC	Non water-proof	Suitable for dry environment
IP54	 Nano coated LED FPC	Nano coating waterproof	Suitable for wet environment
IP65/IP54	 Silicone glue LED FPC	Silicone glue waterproof	Suitable for wet environment
IP65/IP54	 Super PU glue LED FPC	Super PU glue waterproof	Suitable for wet environment
IP65/IP54	 PU glue LED FPC	PU glue waterproof	Suitable for wet environment
IP65	 Silicon LED FPC	Silicone tube waterproof	Suitable for wet environment
IP67	 Silicon LED FPC	Hollow extrusion waterproofing	Suitable for short-term wetting
IP67	 Silicon LED FPC	Hollow extrusion waterproofing	Suitable for short-term wetting
IP68	 Silicon LED FPC	Solid extrusion waterproof	Suitable for short-term wetting
IP68	 Silicon LED FPC	Solid extrusion waterproof	Suitable for short-term wetting

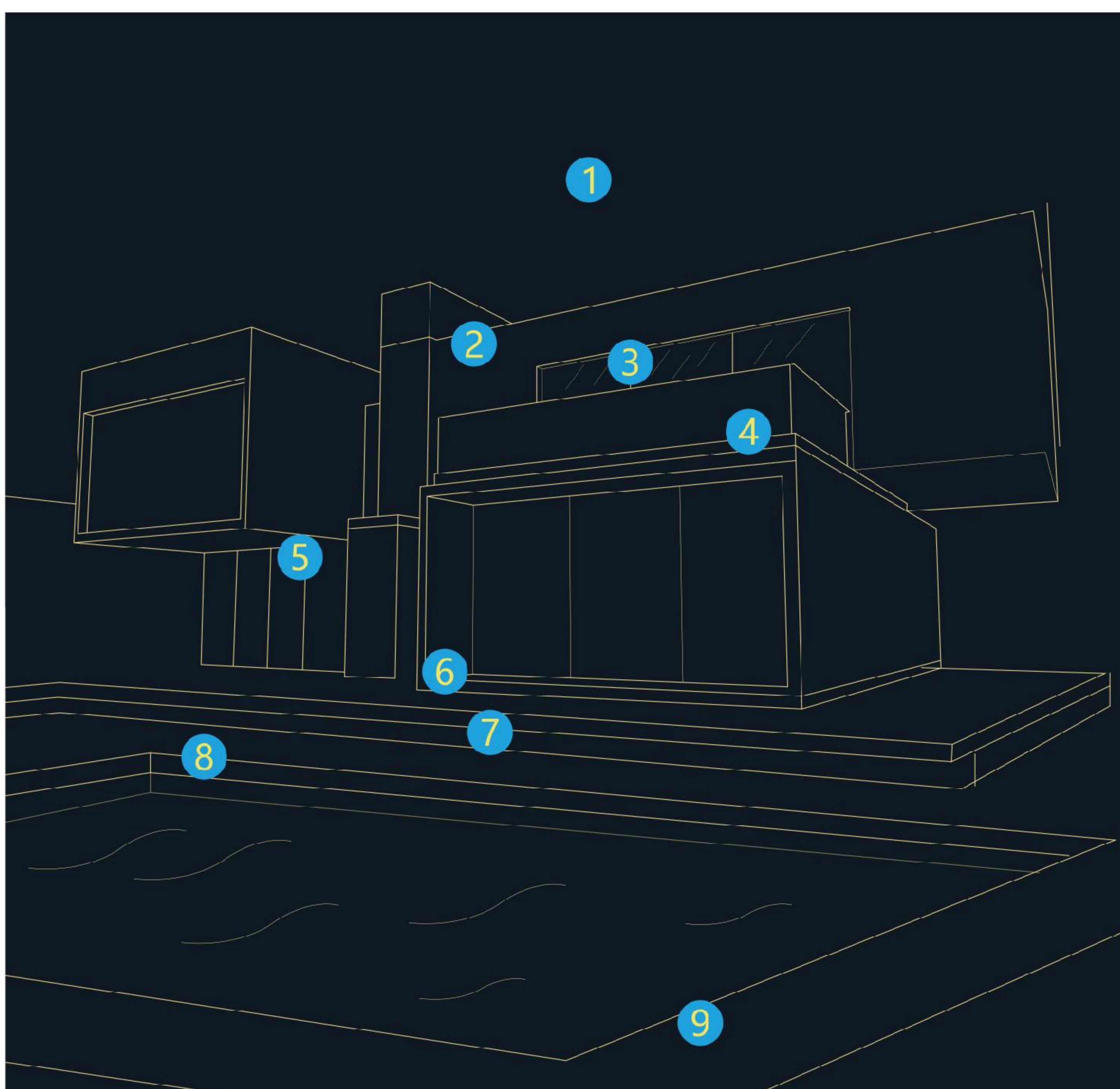
How To Use Strip Light More Professional

- 1 Hotel
- 2 Residential
- 3 Office
- 4 Retails
- 5 Gym&Spa
- 6 Museum
- 7 Landscaping
- 8 Station Hall
- 9 Ferryboats
- 10 Under Water
- 11 Outdoor Space
- 12 Contour Lighting



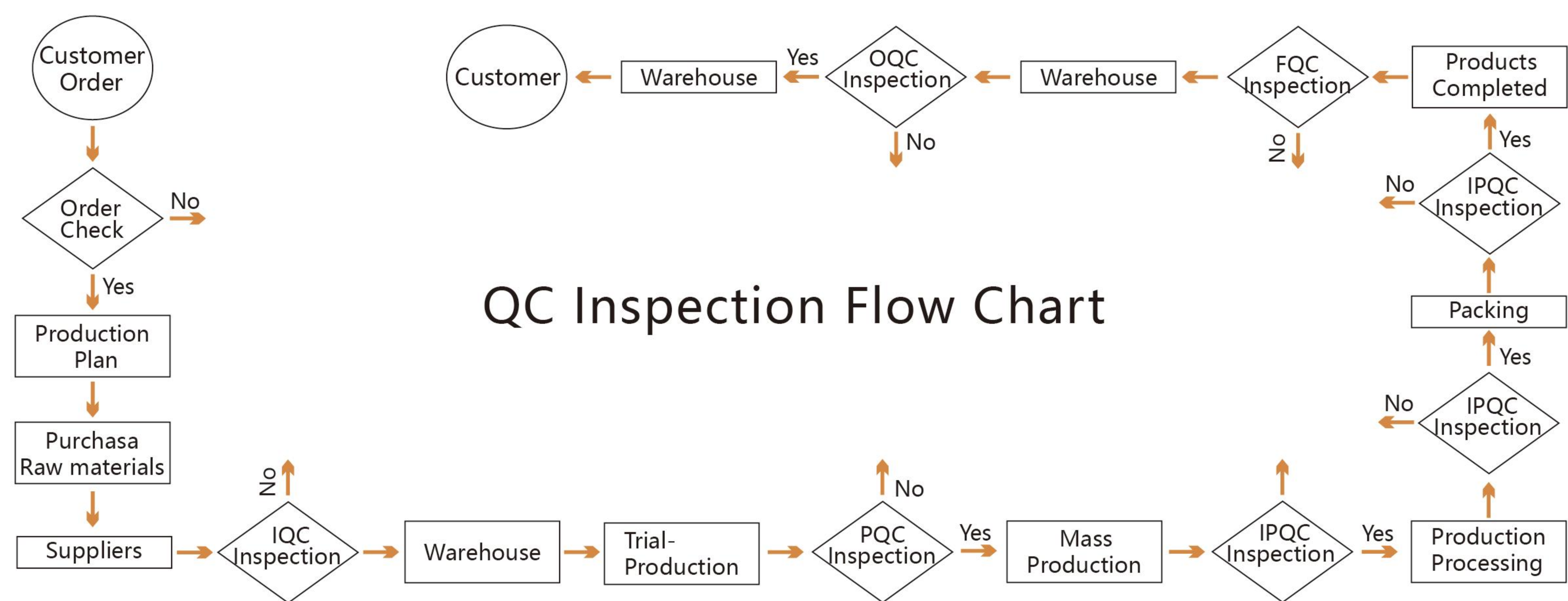
INDOOR&OUTDOOR

- 1 Contour Lighting
→ IP68/68C
- 2 Under Eave Lighting
→ IP20/55/65/66
- 3 Indoor Lighting
→ IP20/55/65/66
- 4 Wall Wash Lighting
→ IP20/55/65/66
- 5 Contour-Downwards
→ IP 20/55/65/66
- 6 Contour-Upwards
→ IP68/68C
- 7 Stairs
→ IP66/68/68C
- 8 Under Beach
→ IP66/68/68c
- 9 Waterside
→ IP68/68C



QUALITY CONTROL

How Do We Control Our Quality



R&D Ability

Optical engineer

Structural engineer

Electronic engineer

After-sales engineer

First prototype engineer

Project budget engineer

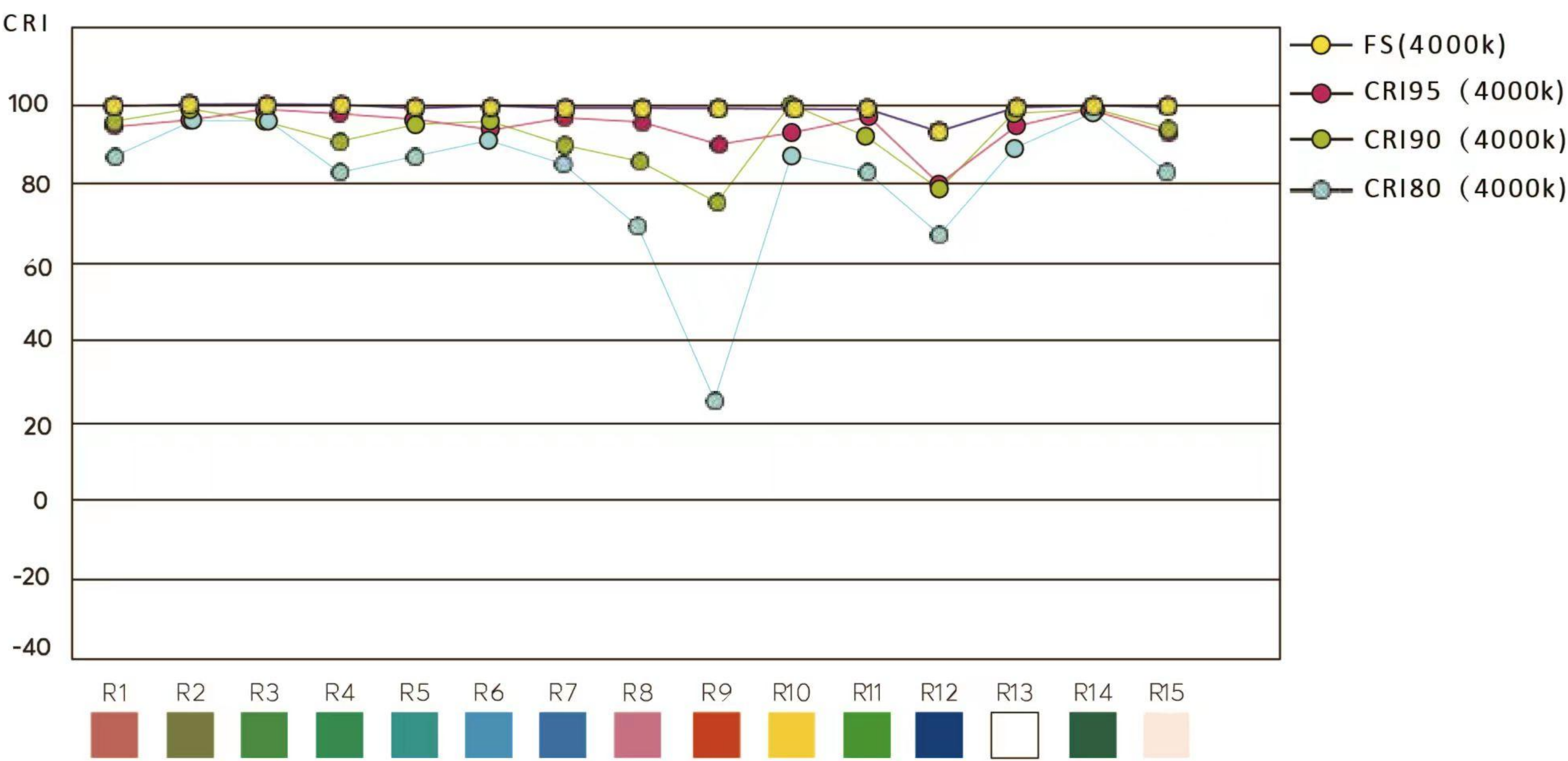
Lighting effects design engineer

Process guidance operation engineer

Control system software development engineer

HIGH COLOR RENDERING INDEX

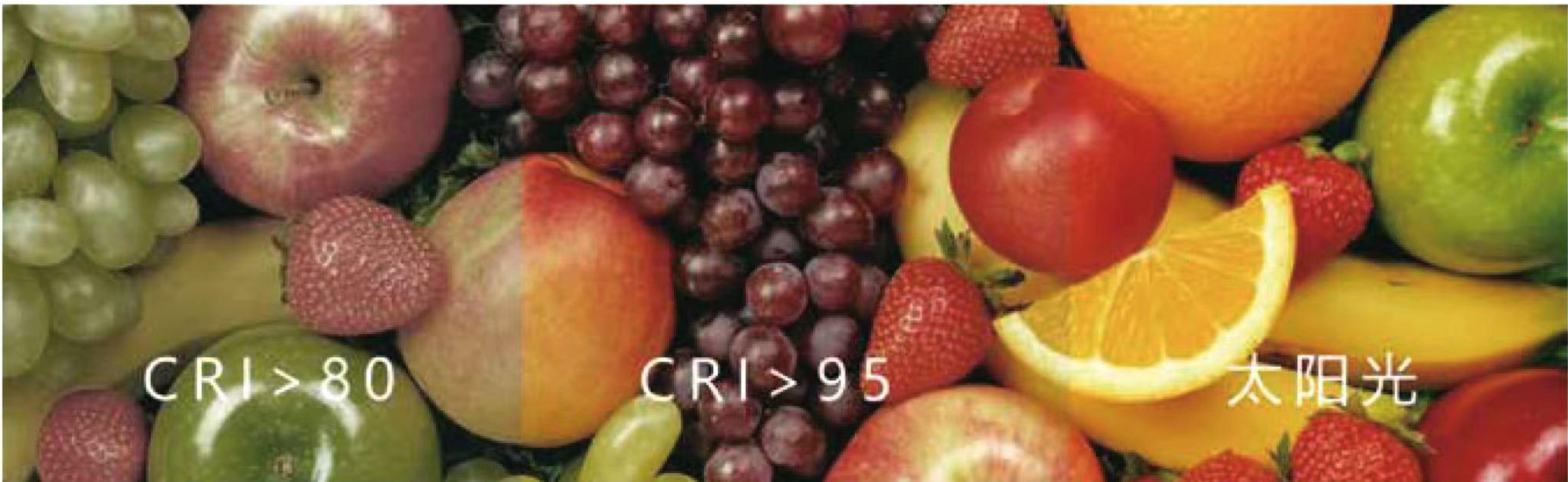
MEAN CRI EVALUATION INDEX



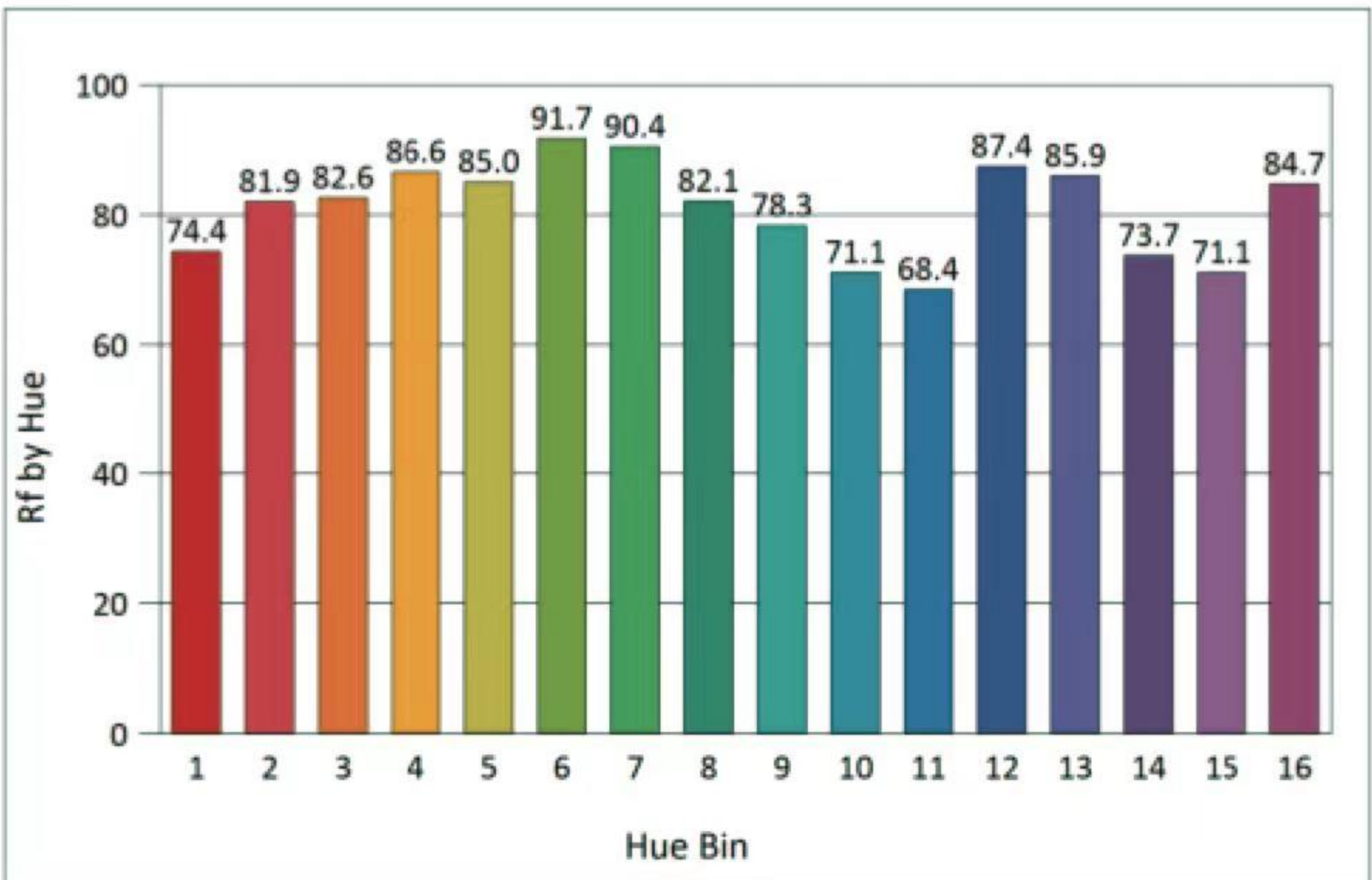
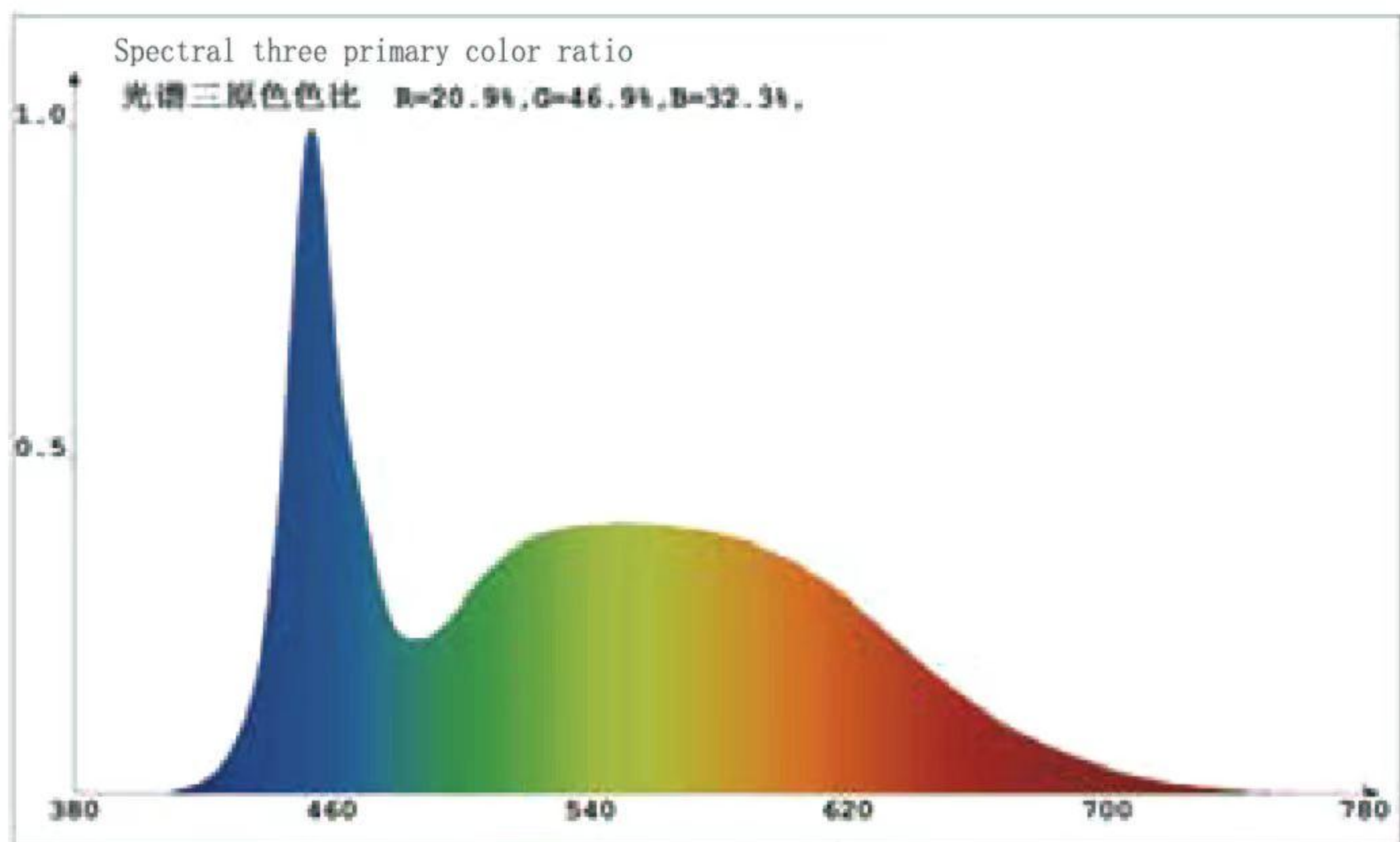
CRI CONTRAST

- Index (Ra) grade color rendering for general applications
- 90 -- 100 1A excellent places that require accurate color contrast
- 80 -- 89 1B/Places where correct color judgment is required
- 2 General need for medium color properties of the place
- 40-59 3 / Lower requirements for color development, small color difference place
- 20 -- 39 4 poor color rendering without specific requirements

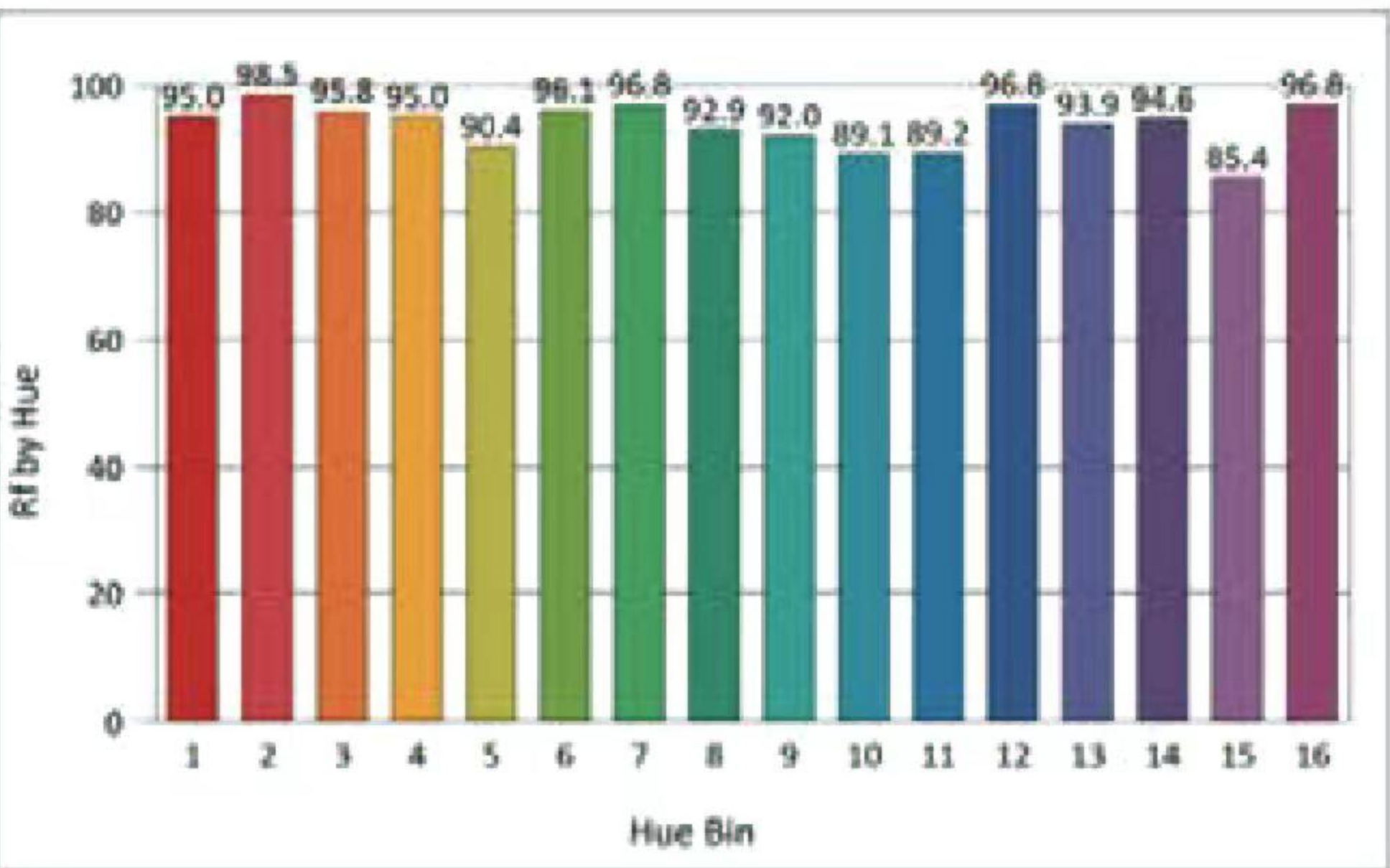
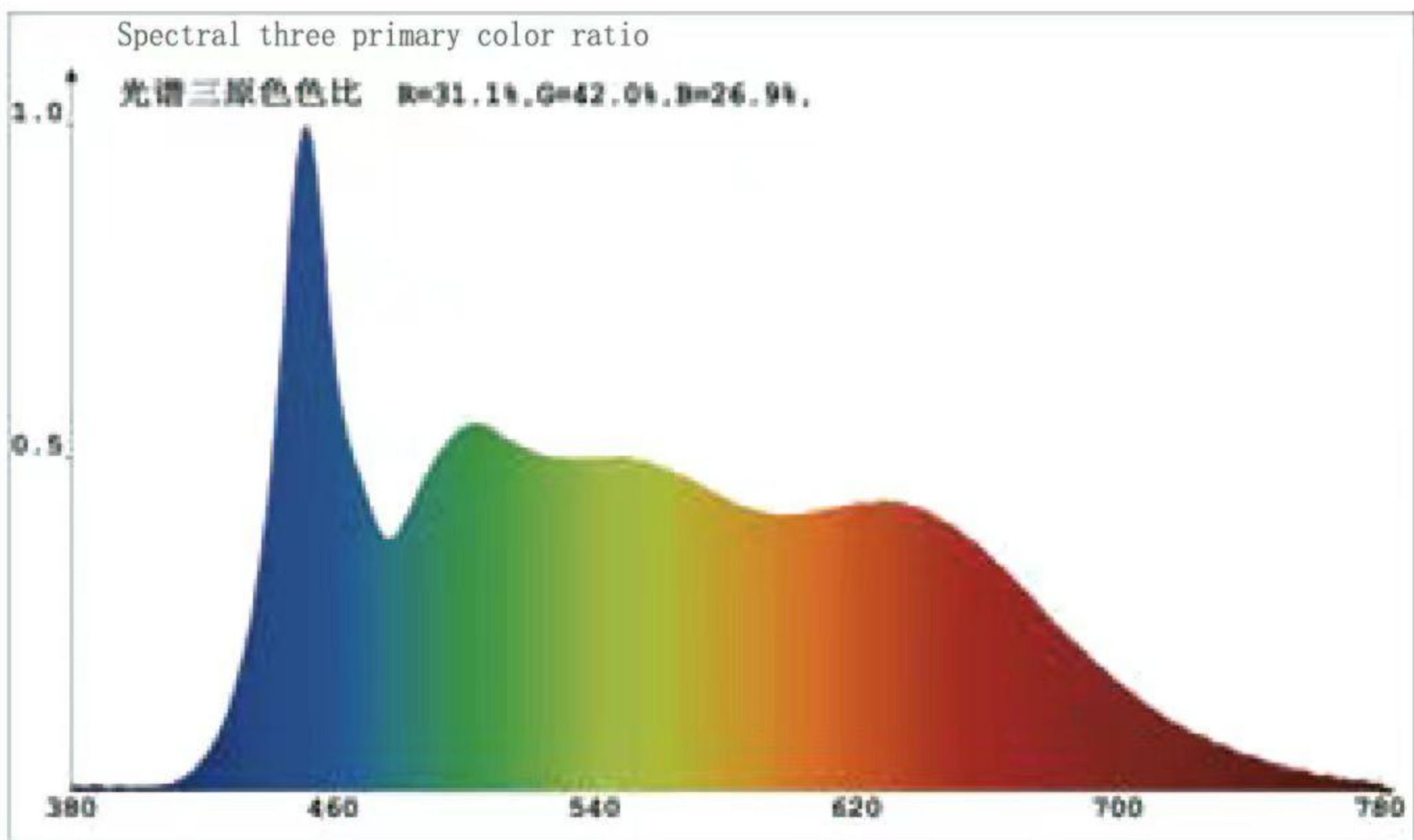
Using CRI>95, the color restoration degree is closer to natural light



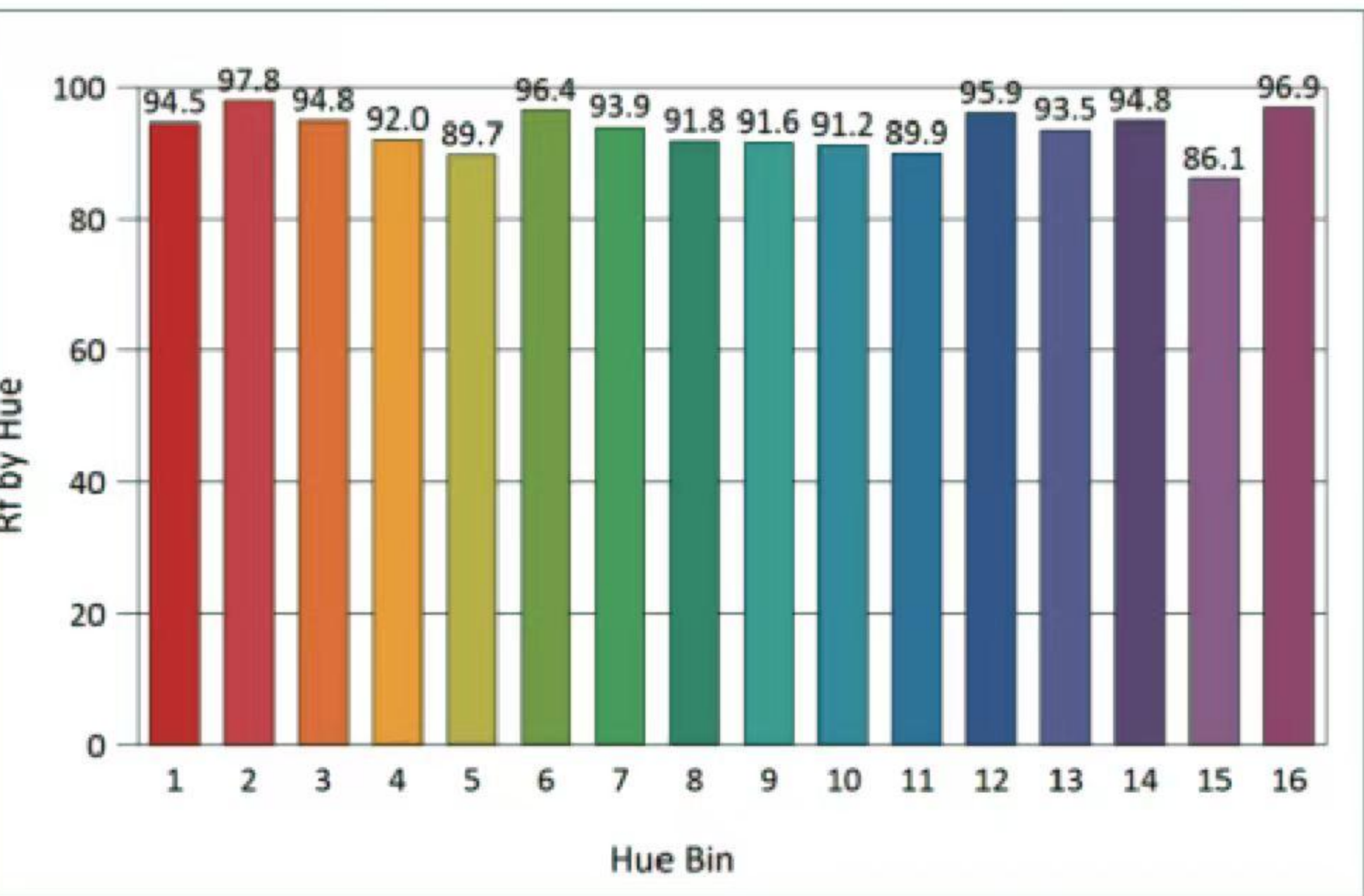
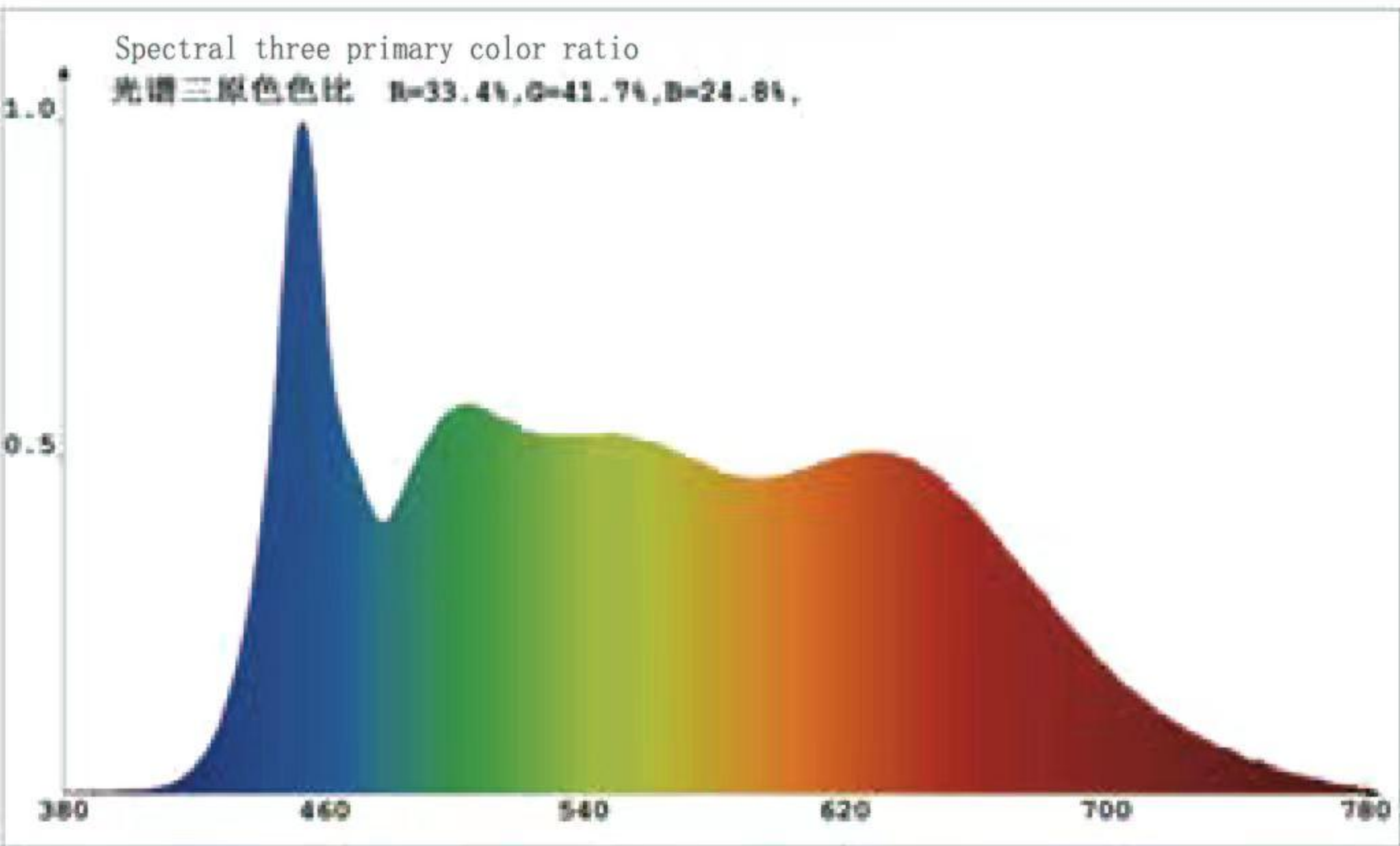
Light source spectrum test



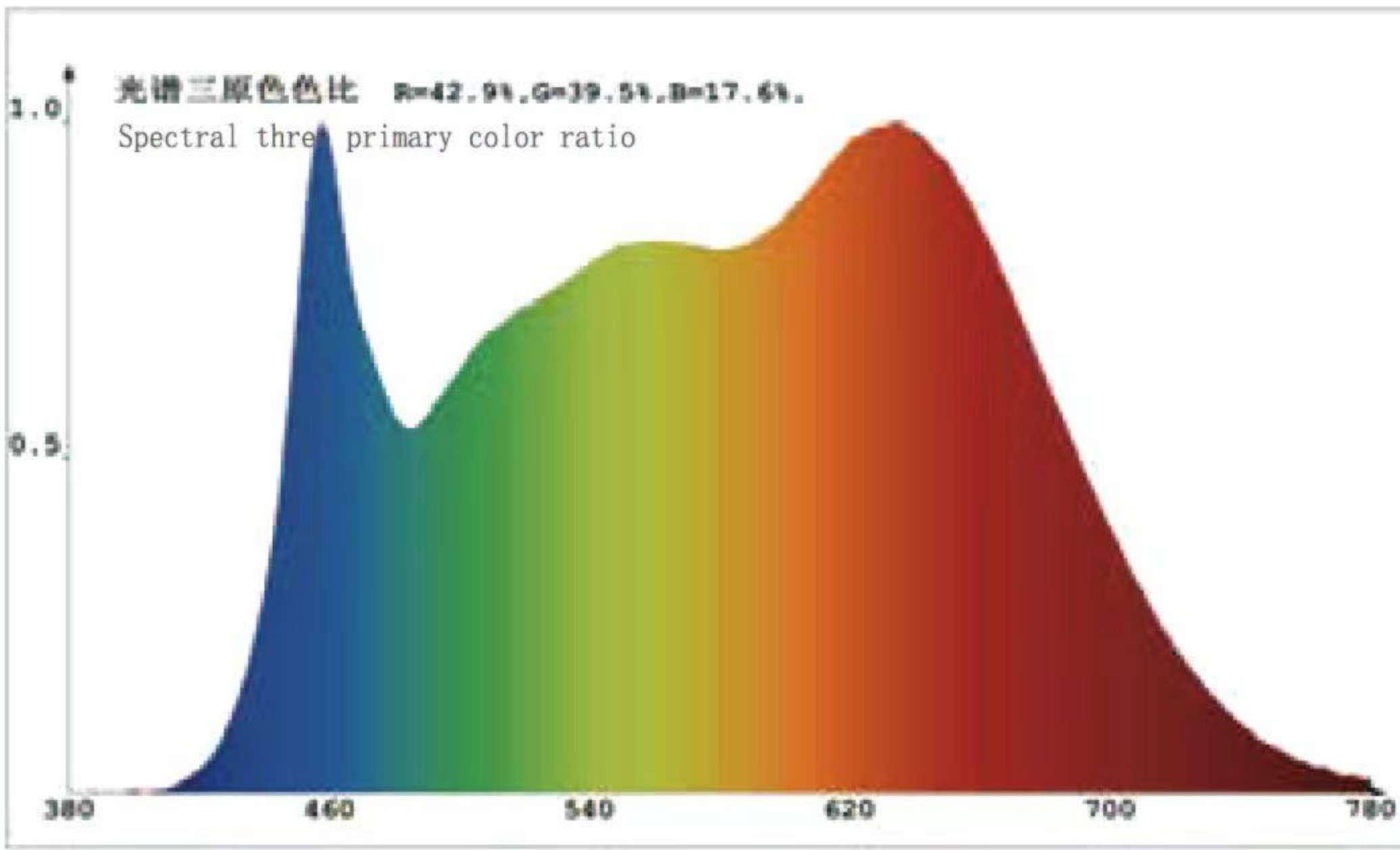
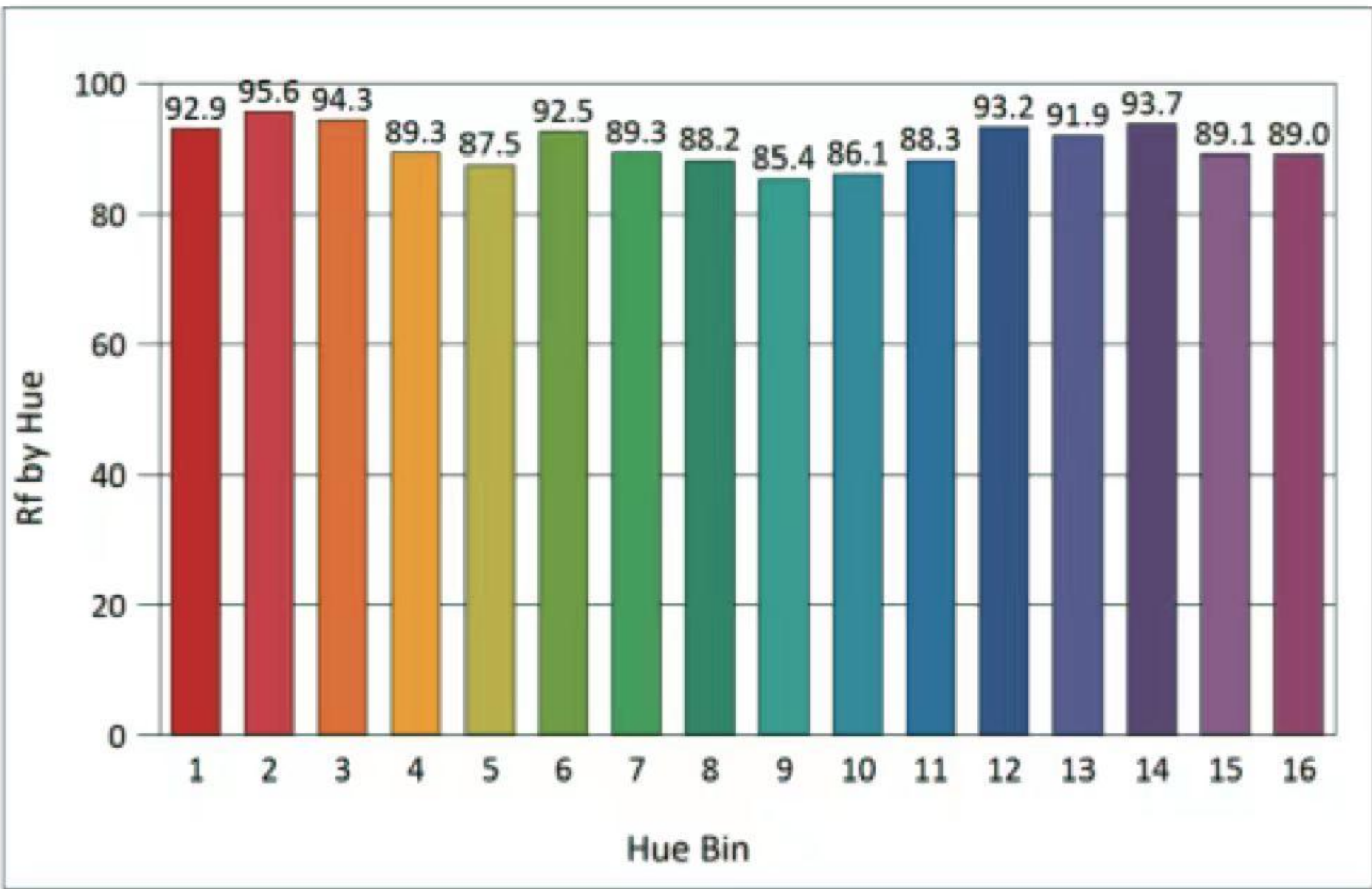
CRI>95,Color temperature:6500K



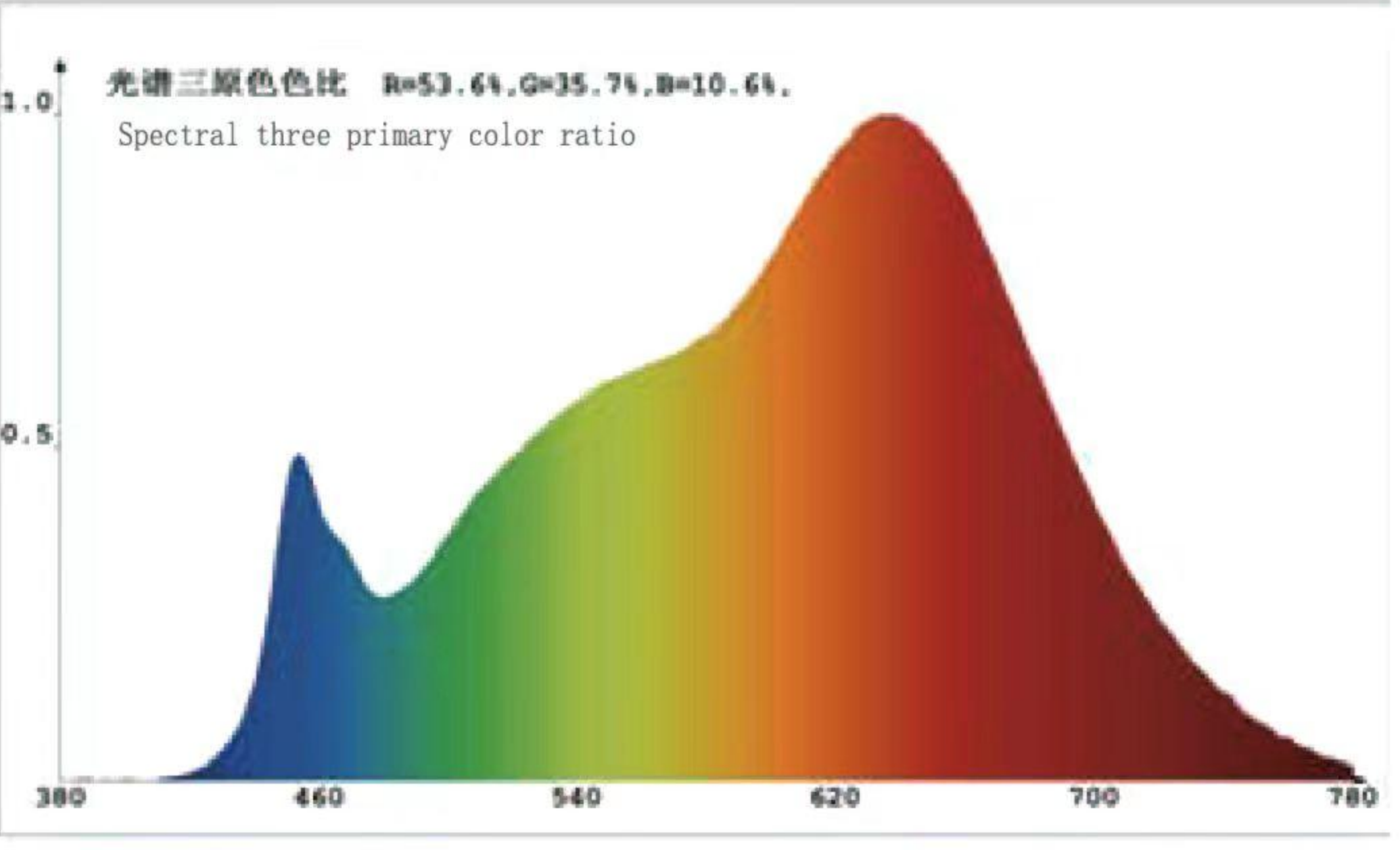
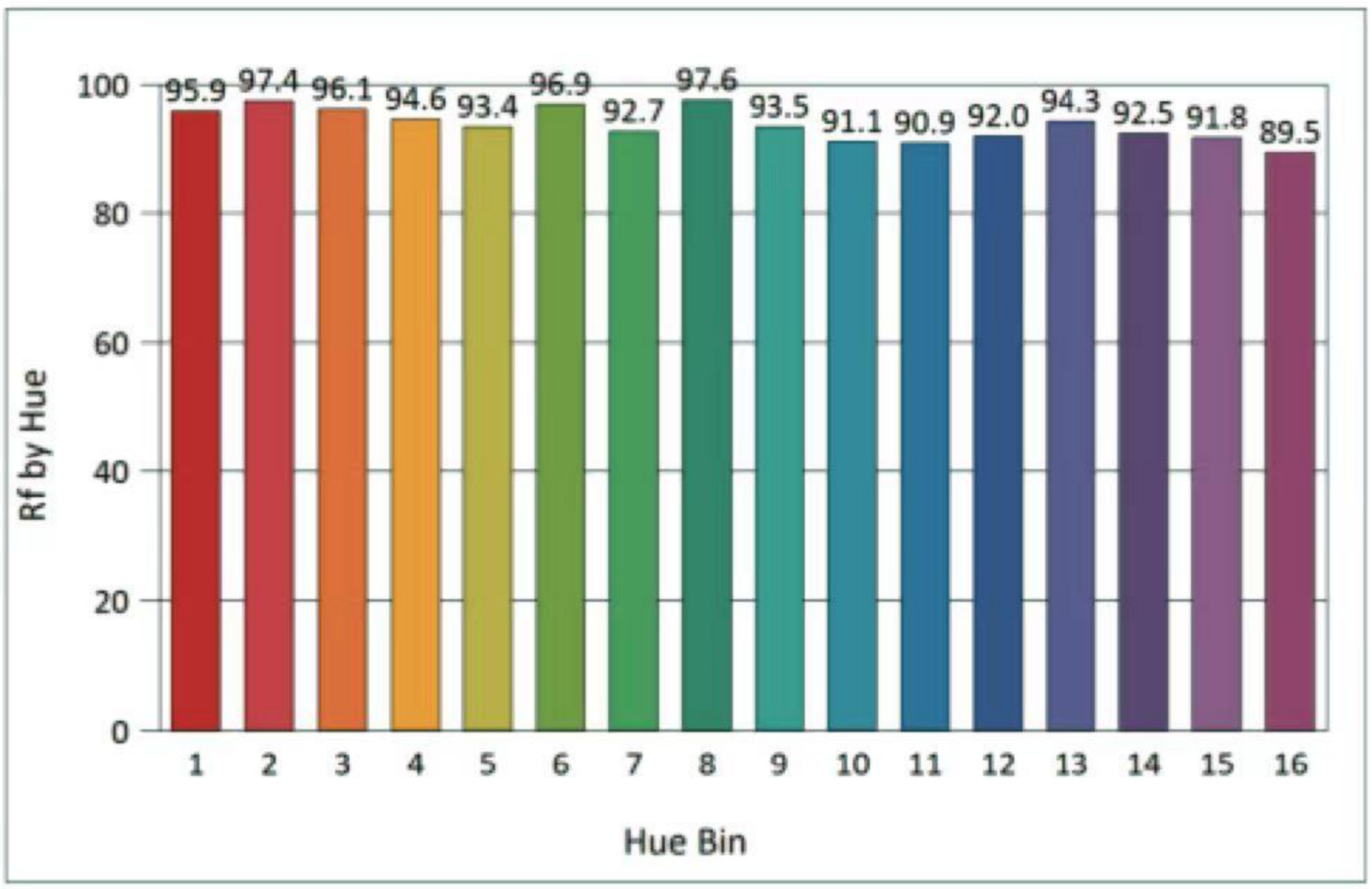
CRI>95,Color temperature:6000K



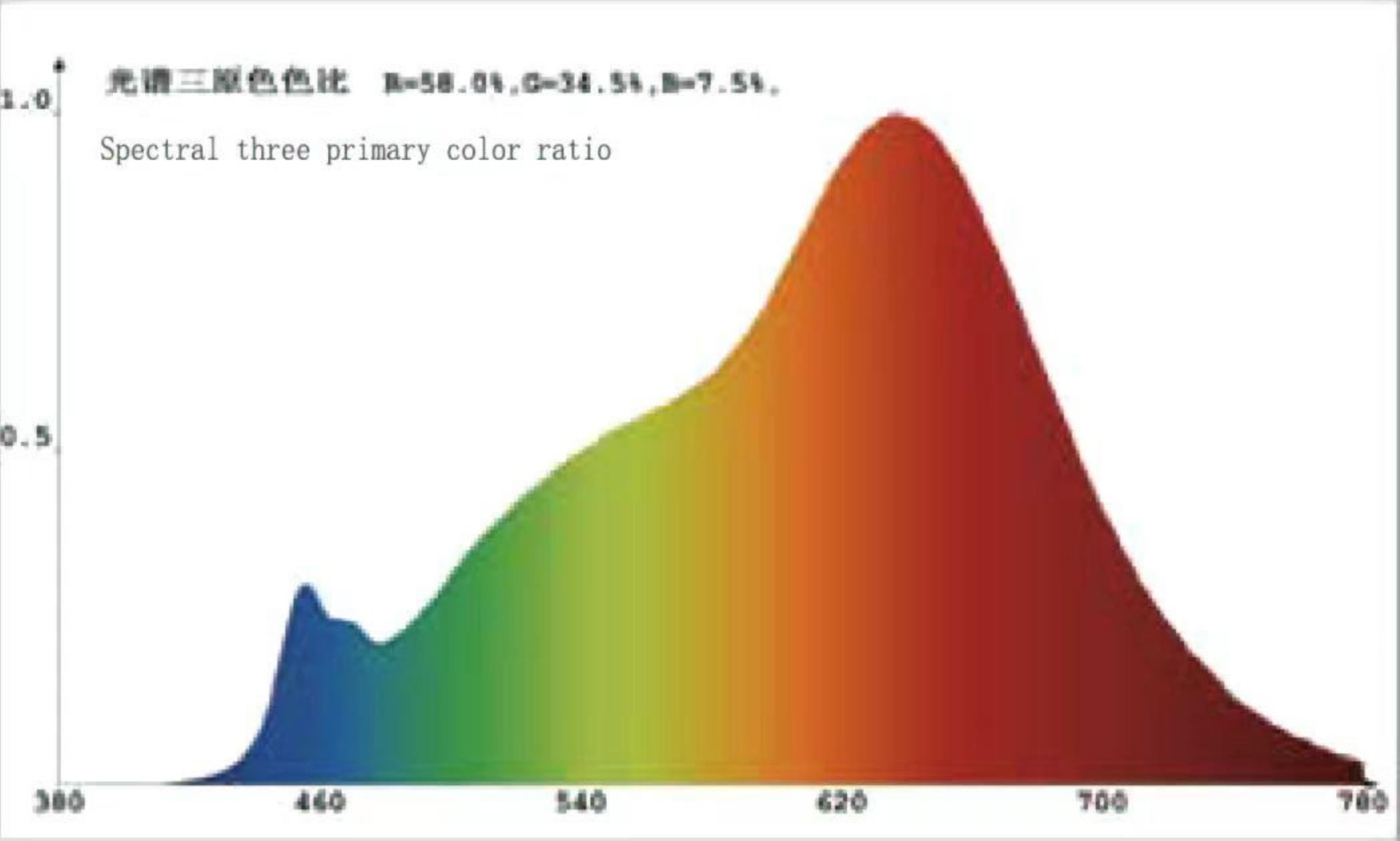
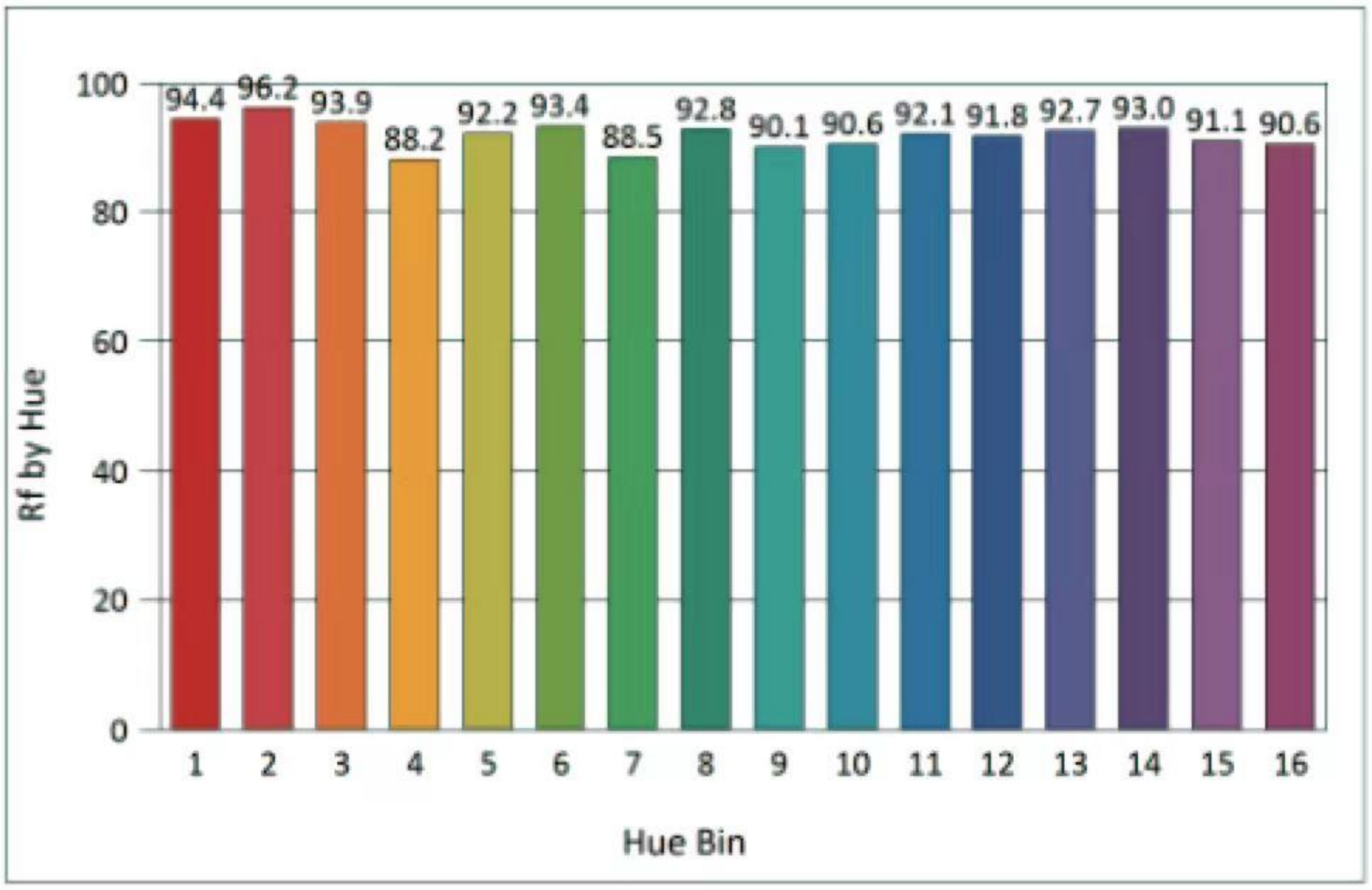
CRI>95,Color temperature:5000K



CRI>95,Color temperature:4000K

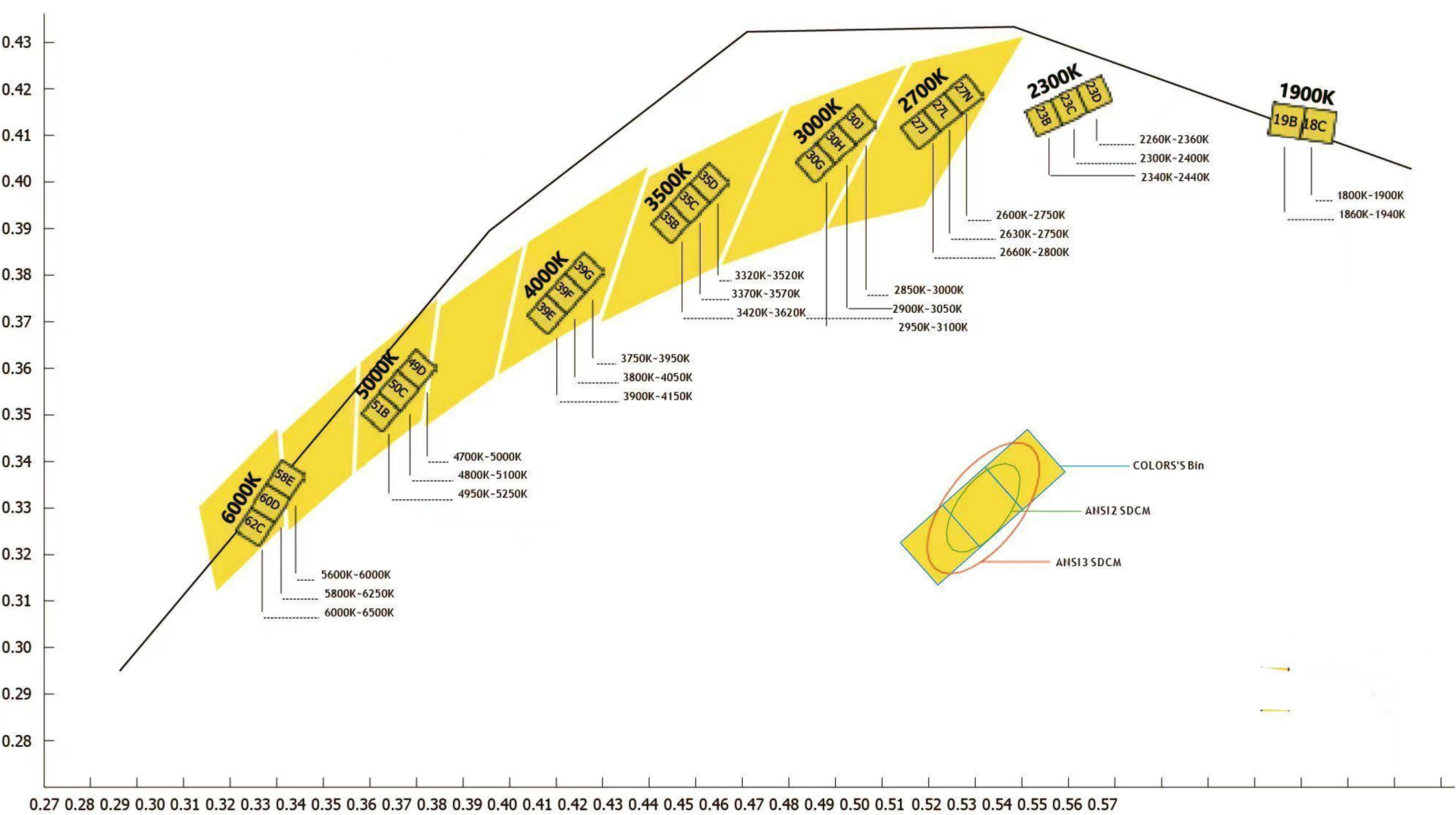


CRI>95,Color temperature:3000K



CRI>95,Color temperature:2700K

Spectrosopic Standard



SDCM<5

