

COOLIGHT

COOLiGHT
Lighting your life
Since 2006

The light of love
let you enjoy beautiful life

Shenzhen Coolight Opt-Ele Co., Ltd
www.coolightled.com

Lighting your life since 2006

COOLIGHT ALBUM

20 22

The light of love
let you enjoy beautiful life

www.coolightled.com

With over 15 years of commitment to developing and improving our range of Flexible LED strip COOLIGHT is now a leading manufacturer of high quality Flexible LED strip in China.



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COOLIGHT VISION

The light of love, let you enjoy beautiful life !



COOLIGHT ENTHUSIASM

LEADING : we are a great enterprise leading the whole industry and the world!

INNOVATION : we are an innovative enterprise and a great enterprise of product innovation, management innovation and corporate culture innovation!

GROWTH : we are an enterprise that likes learning, thinking, continuous breakthrough, continuous improvement and continuous growth!

SELF CONFIDENCE : we are an enterprise with extraordinary self-confidence.

We are confident and unswerving to create a better life with you!

SHARING : we are an enterprise that is willing to share our enthusiasm and vision.

By sharing the gains in the process of growth, we can influence more people and tell them that we can work and live like!

FREEDOM : we want everyone in our company to make themselves blooming and let our body and mind gain freedom!

COOLIGHT ALBUM

LIGHTING YOUR LIFE
SINCE 2006

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The light of love
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www.coolightled.com

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COMPANY PROFILE

With over 16 years of commitment to developing and improving our range of Flexible LED strip COOLIGHT is now a leading manufacturer of high quality Flexible LED strip in China.

Our commitment to quality, service and competitive pricing ensures that our customers have 100% trust in COOLIGHT and the products we supply, the secret to our success is due to focusing on one main product to ensure that we are at the forefront of technology providing technical advice and solutions to all our customers.

We export 100% of our products to more than 40 countries and regions including Europe, North America, Southeast Asia, Middle East and South America etc.

We export over 12million meters of LED Strips every year into a wide range of industries and they are used in many different applications such as Hotel lighting, Shop lighting, Kitchen and Cabinet lighting, Caravans and Cruise ships.

In order to meet the customized needs of customers and ensure the smooth delivery of orders. While committed to leading the LED strips industry, Coolight continues to consolidate comprehensive capabilities.

In 2019, Coolight introduced cutting-edge personnel in the industry and high-end equipment at home and abroad such as KS and Hoson, and formally established the LED.

Over the past 3 years, we have invested over 1 million USD dollars in our laboratory, testing equipment and production facility and we have implemented advanced automotive production systems to supply the highest quality LED strip products to our customers.

COOLIGHT is the first LED Strip manufacturer to install a fully operational professional laboratory and testing facility to ensure that the LED strip products we supply are 100% reliable.

The Quality Control system we operate is to ISO9001:2015 to ensure that we conform to all the current standards.

COOLIGHT was co-founded in 2006.

We have a strong Research and Development team , which by analysing market demand and working together with our long-term business partners ensures that we are at the forefront of design and technology ensuring that we are the first to launch new products in the industry.

We have a strong Sales team lead by our C.E.O Ms.Mary Long who has over 16 years marketing and sales experience in the LED industry.

Ms.Long leads by example and promotes her beliefs of 'Just do it' and 'no excuses' which has resulted in a passionate sales team.

In COOLIGHT we have clear KPI's(key performance indicators) for every employee, which ensures that each member of our team has clear targets, goals and responsibilities to work towards.

COOLIGHT offers all employees diverse training programmes, including technical training, human relations and children's education, which helps all our employees live happier lives outside their work environment.

COOLIGHT CEO :

Mary Long



DEAR VALUED PARTNERS:

It is -with great honour that I have taken on the position of CEO at COOLIGHT. We are a dynamic team with more than 16 years' experience in the world of LED lighting.

In the past years, we have worked successfully with customers both old and new, and entered into a number of exciting strategic partnerships. We will now focus on continuing to provide outstanding services, and move on to even greater heights!

COOLIGHT is a truly customer-oriented company. All of our key decisions are taken with the customer in mind, and we will continue to strive for customer satisfaction in all aspects of our business. This is the cornerstone of our continued development and innovation.

As CEO, my main task is to maintain this positive momentum and guide COOLIGHT to even greater success. Thanks to the hard work of our employees and the firm support of our shareholders, the company has made significant progress. It is your belief and loyalty that is most important to us.

I believe you already appreciate what our company has to offer: in good times or in bad, we will always be your trusted partner, and we thank you for your continued support.



DEVELOPMENT HISTORY

2006

Coolight brand was founded by Mary long in Hong Kong, China

2008

Coolight set up office in Shenzhen, China

2009

Coolight Pass ISO9001:2008
Set up a factory in Shenzhen,
integrating R&D, production and sales.

2012

Coolight released 2216 CRI>90
flexible LED strip

2015-2016

Coolight flexible LED strips got UL listed;
the biggest 2216 flexible LED strip manufacture.

2017

Set up Reliability laboratory.

2018

Pass ISO9001:2015. released 2110 CRI>90
DUV±0.0033 R9>60 series flexible LED strip,
Sales exceeded 100 million RMB.

2019

Coolight SMD LED packaged established.
Official data show that Coolight is the first
in the export industry of high-end LED
light strip, with sales of 150 million RMB.

2020

Coolight ERP System put into producing,
Sales volume increased by 10% over 2019,
reaching 160 million RMB.

2021

X Ribbon X1 became the Red Dot Winner.
Sales Volume exceeded 200 million RMB.

CERTIFICATE & PATENT



RESEARCH & DEVELOPMENT

COOLIGHT R&D department including the creative department that studies market trends and industry prospects, and the product development department that makes ODM and OEM for customers and updates the current main products to provide customers with competitive products.



Every year, COOLIGHT take 5% from the annual sales to Research and develop new items.

Lights up the world through technology

COOLIGHT is one of the high-tech enterprises which are special in the production and R&D of flexible led strip. We have a strong Research and Development team, which by analyzing market demand and working together with our long-term business partners ensures that we are at the forefront of design and technology ensuring that we are the first to launch new products in the industry.

COOLIGHT R&D department includes the creative department that studies market trends and industry prospects, and product development department which make the ODM and OEM for customers and update current major products to provide competitive products to customers.



The team, The best you can get!



RELIABILITY TEST

COOLIGHT is the first LED Strip manufacturer who have invested over 1 million USD dollars to install a fully operational professional laboratory and testing facility to ensure that the LED strip products we supply are 100% reliable. From the led component to finished products. From IP20 to waterproof, From door to door transport testing.



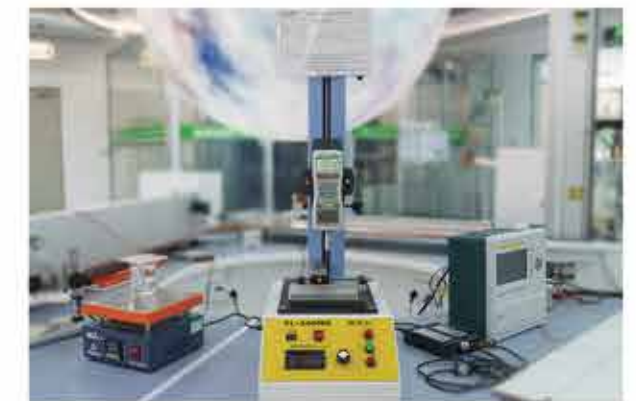
1.5m and 0.5m
Diameter Integrating Sphere



Drop test Area



Tensile testing machine



Strength test of led frame



UV Accelerated Weathering Testing



Lumen Flux Maintenance Test

PRODUCT RELIABILITY TEST PLAN

Test item	Test Condition	Test Time(or Cycles)		Sample Size	Test Purpose	Standard	Standard
Thermal shock	Ta = -40° C ... 100° C 15 min (extrem) dwell time Transfer time 15 min	IP67	IP20	1-2PCS (1 meter)	Guarantee LEDs with 3 years life time,Color drift is ok	Guarantee LEDs with 3 years life time,Color drift is ok	Coolight, IES LM-79
		-40 ° C to +100° C 200cycles					
Temperature Measurements test	Tc≤75° C , PCB≤65° C	Tc≤75° C ,PCB≤65° C		1-2PCS (1 meter)	1.Guarantee the security of the products 2.Guarantee the normally lif time of the products	1.Guarantee the security of the products 2.Guarantee the normally lif time of the products	According to the request of applicant
Temperature Cycling test	Ta = -40°C ~ +65 °C; dwell 60min, transfer time ≤60min	-40° C to 65° C for 168hrs		1-2PCS (1 meter)	Guarantee 3 years life time of products	Guarantee 3 years life time of products	Coolight, IES LM-79
Accelelate Life test	Ta = 65 °C or 55°C continuely light on, 336hours	65° C, 336hrs		1-2PCS (1 meter)	Guarantee 3 years life time of products	Guarantee 3 years life time of products	IEC60068-2-2, IES LM-79
Temperature&Humid ity Bias test	Ta = 85° C / 85% r.h. or Ta = 65° C / 93% r.h.	85° C/ 85%RH for 168hrs		1-2PCS (1 meter)	Guarantee 3 years life time of products	Guarantee 3 years life time of products	IEC 60068-2-67, IES LM-79
Low Temperature storage	Ta = -25° C, 168hrs	Ta = -25° C, 168hr		1-2PCS (1 meter)	Guarantee 3 years life time of products	Guarantee 3 years life time of products	IEC60068-2-1, IES LM-79
Switching Cycle test	30s on,30s off, Ta = 25 °C	On/off15000cycles		1-2PCS (1 meter)	Guarantee 3 years life time of products	Guarantee 3 years life time of products	Coolight, IES LM-79
Longitudinal Twisting test	720° /7000cycles (LED not crack)	720° /7000cycles (LED not crack)		1-2PCS (0.5 meter)	Guarantee the strength of the led bracket, suitable for mass production	Guarantee the strength of the led bracket, suitable for mass production	Coolight
Static Bending test	6cm bending test	-40°C/20H~+60°C/20H (1 cycle)		1-2PCS (1 meter)	Guarantee the reliability of product transport and storage in reel	Guarantee the reliability of product transport and storage in reel	Coolight, IES LM-79
UV Test	Irradiation with1.38 W/m², UV at 60°C	96hrs	N/A	1-2PCS (1 meter)	Guarantee the life time of silicon glue after waterproof for outdoor use	Guarantee the life time of silicon glue after waterproof for outdoor use	ASTM-G154
IPX1~IPX7	soaking 1m (front end 15cm) /30min	soaking 1m (front end 15cm) /30min	NA	1-2PCS(1 meter)	1.Guarantee the security of the products) 2.Guarantee the normally lif time of the products	1.Guarantee the security of the products) 2.Guarantee the normally lif time of the products	IEC60598.1

QUALITY CONTROL SYSTEM

For the Quality Control system we operate is to ISO9001:2015 to ensure that we conform to all the current standards.

COOLIGHT is the first LED Strip manufacturer who have invested over 1 million USD dollars to install a fully operational professional laboratory and testing facility to ensure that the LED strip products we supply are 100% reliable.

For all the LED strip which is strictly according to IEC Standard and IPC-A-610E standard.



Incoming Materials checking

OK, write qualification test report and approved sample.
NG, materials will return to supplier with NG report.



Match the color

Selecting the match color with reliable equipment. Check again with eyes.



1.5m ϕ 0.5m Integrating Sphere Test

Test CCT, CRI, lumens etc. Conduct incoming materials quality control with reliable equipment and function. Conduct reliability tests and function. Prepare IQC Reports.



Raw material storage

Temperature And Humidity Warehouse
Protect the quality of product to constant.



First sample test

Test first preproduction sample.
To make sure the CCT, Camen, CRI is acceptable.
After first sample ok, then we can put a production instruction sheet.



SMT OQC

Ensure the consistency and accuracy of SMT.
Conduct first product inspections in different stage of production.
Inspect the process of production.



Incoming Materials checking

Check and confirm the raw material is available.
Check and confirm the raw material can keep high quality or not.



OQC

For finished product is conduct quality inspections according to inspection standard and procedures before warehousing.
Ensure the accuracy of appearance, performance, accessories, labels, packaging.



OQC Production

For the finished product is conduct quality inspections according to inspection standard and procedures during production. Keep in line with customer requirements.

PRODUCTION FACILITY

COOLIGHT have the area of workshop over 10000 square meters with 300 staff in our company.

We export over 10million meters of LED Strips every year into a wide range of industries and they are used in many different applications such as Hotel lighting, Shop lighting, Kitchen and Cabinet lighting, Caravans and Cruise ships.

COOLIGHT implemented advanced automotive production systems to supply the highest quality LED strip products to our customers.



SUPPLY CHAIN MANAGEMENT

EVERFINE 远方

Panasonic

Sanan IC



YAMAHA

SAMSUNG

HOSON



For COOLIGHT we know suppliers is the same important with customers.

For COOLIGHT Supply Chain Management concept---WIN-WIN

We built strategy relationship with our suppliers, under the guidance of strict quality controlling we give them more orders and they give us more supports including more competitive price and more flexible delivery;

We work together with our suppliers in new products research and development, and work together to import and improve the latest technology ensuring that we are the first to launch new products in the industry.

LED PACKAGED

In order to meet the customized needs of customers and ensure the smooth delivery of orders, While committed to leading the LED strips industry, Coolight continues to consolidate comprehensive capabilities. In 2019, Coolight introduced cutting-edge personnel in the industry and high-end equipment at home and abroad such as KS and Hoson, and formally established the LED Packaging department.

We focus on the successful birth of each LED Strictly control every production link.

We are on the way of "Starmaking".

Every transformation is for the sake of progressing with you.

COOLIGHT—Your personal customization expert.



Wire Bonder



Configure The Fluorescent Glue



Air Shower



DIE Bonder



Automatic Dispenser



SMD-LED Automatic Spectrophotometer



Plasma Treatment Systems



Baking Room



Automatic Taping-Machine



Vacuum Packaging Machine

SALES TEAM

COOLIGHT have a strong Sales team lead by our CEO Ms.Mary Long who has over 16 years marketing and sales experience in the LED industry.

With experience sales people service who over 10 years experience can have Immediately answer within few hours. COOLIGHT is always looking to the future. We work together with our suppliers in new products research and development, and work together to import and improve the latest technology ensuring that we are the first to launch new products in the industry.



We export 100% of our products to more than 40 countries and regions



Quality and Service

COOLIGHT is always looking to the future. Quality and Service are the keys to ensuring a close relationship with all our customers.



COOLIGHT VALUE

Trust
Growth
Responsibility
Make constant value for customers

01. Germany

02. Italy

03. Britain

04. France

05. Spain

06. Poland

07. Sweden

08. Mexico

09. America

10. Canada

11. Australia

12. Brazil

13. Russia

14. Panama

15. South Africa



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Countries

COOLIGHT 100% of its products are exported to more than 40 countries and regions

OFFICE ENVIRONMENT

COOLIGHT creates an amusement park style office that can arouse inspiration, stimulate creativity and imagination, and is full of a sense of technology. Let us relax our bodies through play, and it is easier to enter the state of creativity after mobilizing the kinetic energy of our bodies.

Breaking the external standards and restrictions, the irregular desk design is adopted, so that everyone's collision and discussion become a matter of anytime, anywhere and no sense of distance. This will further narrow the tacit understanding of the team and further stimulate the creation of falling bodies. Decorated by shining stars, the whole office area looks flexible and relaxed. Working under the stars, it seems to absorb the inspiration of the vast star.



CSP LED STRIP

CHIP SCALE PACKAGING

Small luminous particles, high density of LED.

Good luminous consistency, SDCM≤3.

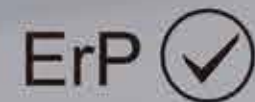
High weather resistance: Available at -20-85 ° C environment

The LED are smaller in size.

Small bending radius during installation.

Using extrusion process.

COOLIGHT
Lighting your life
Since 2006



Comply with COMMISSION REGULATION (EU) 2019/2020
& Energy Label REGULATION (EU) 2019/2015



2835

HIGH EFFICIENCY LED STRIP

ErP  Comply with COMMISSION REGULATION (EU) 2019/2020
& Energy Label REGULATION (EU) 2019/2015

Energy efficiency class: B→F

FPC is used as the base material with good softness

Good luminescence consistency

Contribute to environmental protection and low carbon



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2835RGB WW

5in1 LED Strip **R G B W W**

288LED/m 24V 24W

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Since 2006

ErP 

R G B W W

Multiple variation modes
five colors can be lit at the same time
Multi-channel illumination
which can meet both the atmosphere
lighting and the daily main lighting
The product is narrower and thinner
Adjustable luminous flux and color temperature
The colors are rich and diverse
and can be adjusted arbitrarily by
the controller according to customer needs



4x8mm

Side view neon light CCT Tunable strip

ErP 

CE

 UL

 RoHS

Small volume of LED strip

Uniform luminescence

CCT Tunable strip, 2 Cable Tech

The dimming range is 2700k-5000k,
and the color temperature of the bare lamp strip is 2700k-6500k

2835 SMD strip, 2once PCB

Environmental protection

non-toxic, acid and alkali resistance

anti-ultraviolet yellowing, soft and elastic