

# **About Us**

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SCIENCE MUSEUM ROAD TSIMSHATSUI, KOWLOON HK













创新、高效、卓越

XUAN CHUAN HUA CE



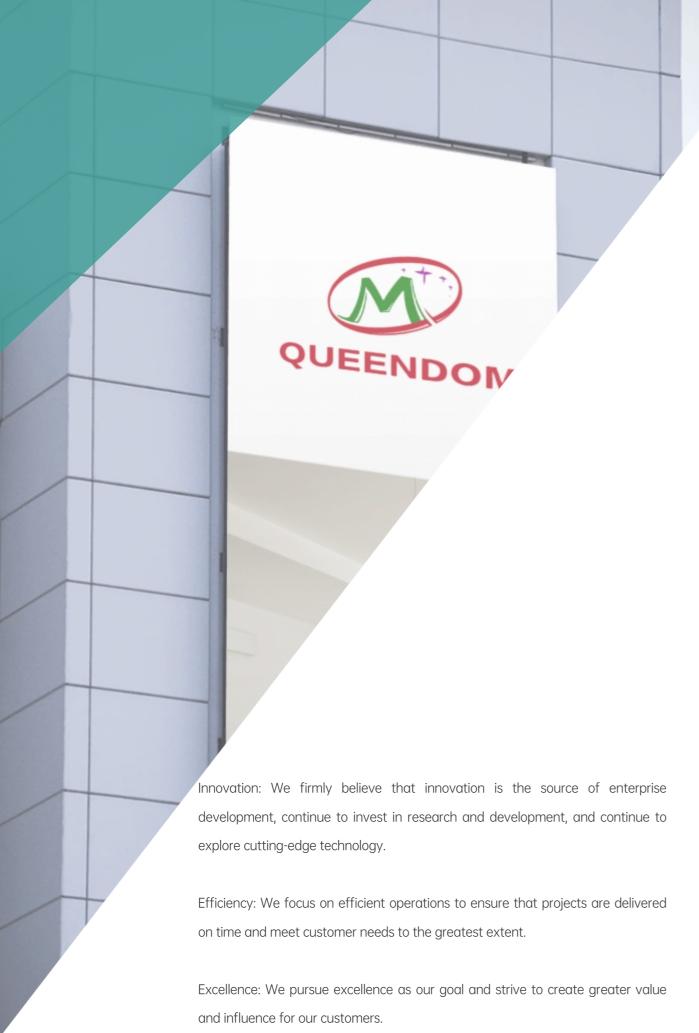
Queendom Group Technology Co., Ltd.
Corporate product brochure







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# **About Us**

#### company background

Founded in 2004, China QUEENDOM is a national technology enterprise integrating R&D, production, sales and service. Its main R&D, production and sales of semiconductor packaging equipment business covers the entire LED industry chain: from LED light source semiconductor packaging equipment to LED optics Lamps, integrated LED lighting solutions, we will continue to develop LED products for more diversified applications and provide customers with various impeccable product solutions

It has internationally advanced equipment testing equipment and is equipped with precision testing equipment: LED packaging production line automatic die bonding machine, automatic wire bonding machine, automatic spectrometer, fully automatic sealing machine; packaging production capacity exceeds 400KK/month. The finished product industry has invested in four high-speed SMT placement machines, five Al automatic plug-in machines, six DIP production lines and LED finished product aging lines. The monthly output of LED lamps is 400,000 pieces, and the monthly output of other electronic products is 1 million sets.

#### Company History

After years of development, we have achieved excellence in the digital field. From a small team in the early days of establishment to a medium- to large-scale stable enterprise now, we have always adhered to the principles of technological innovation and customer first.

#### Company Vision and Mission

Our vision is to become a global leader in the digital field, promote the advancement of digital technology, and create greater value for customers. Our mission is to help customers achieve digital transformation and move towards a better future through technological innovation.

### **Professional team**

Talent Overview We have technical engineers with 20 years of industry experience. Our team composed of elites in multiple fields such as technical experts, marketin experts, and project management experts. We are committed to providing customers with high-quality services.

Team members cover product designers, software engineers, marketing experts, digital solution consultants and other fields. We attach great importance to employee training and development and invest 20% of our annual output value in employee continuing education and skill improvement.

technology strength We have strong technical strength and possess a number of LED-related core technologies. In the field of LED market application solutions, we have successfully developed 50 applications, covering different industries and fields. Our R&D team invests in scientific research and technological innovation every year to maintain leading technological competitiveness.

Creativity

Innovation is the soul of our team. Every year we invest a certain percentage of our operating income in innovative research and development to develop new products and services to meet the changing needs of our customers. We focus on cooperation with universities and scientific research institutions, keep pace with the times, and maintain technological leadership.



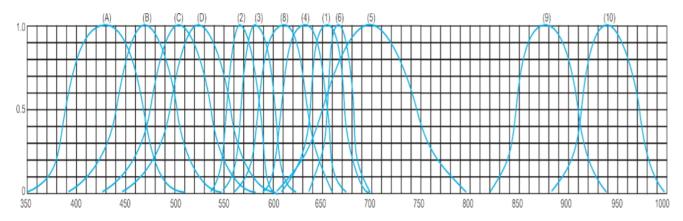






#### TYPICAL ELECTRICAL-OPTICAL CHARACTERISTICS CURVES

Color spectral curve



(1)wGaAsP/GaAs 655nm/Red

(2)wGaP 568nm/Yellow Green

(3)wGaAsP/GaP 585nm/Yellow(A) GaN/SiC 430nm/Blue

(4)wGaAsP/GaP 635nm/Orange & Hi-Eff Red(B) InGaN/SiC 470nm/Blue

(5)wGaP 700nm/Bright Red(C) InGaN/SiC 502nm/Ultra Green

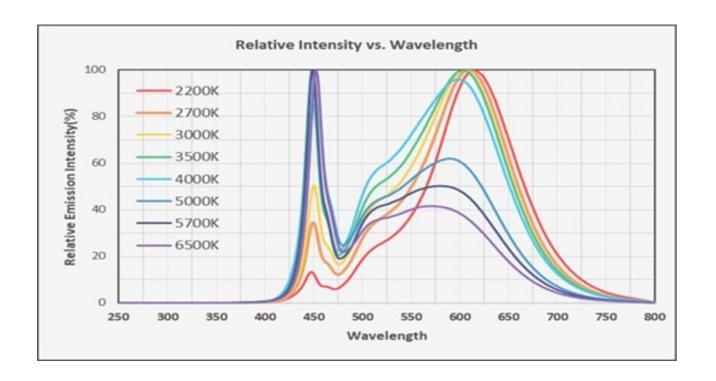
(6)wGaAlAs/GaAs 660nm/Super Red(D) InGaAl/SiC 523nm/Ultra Green

(7)wGaAsP/GaP 610nm/Super Red

8) GaAlAs 880nm

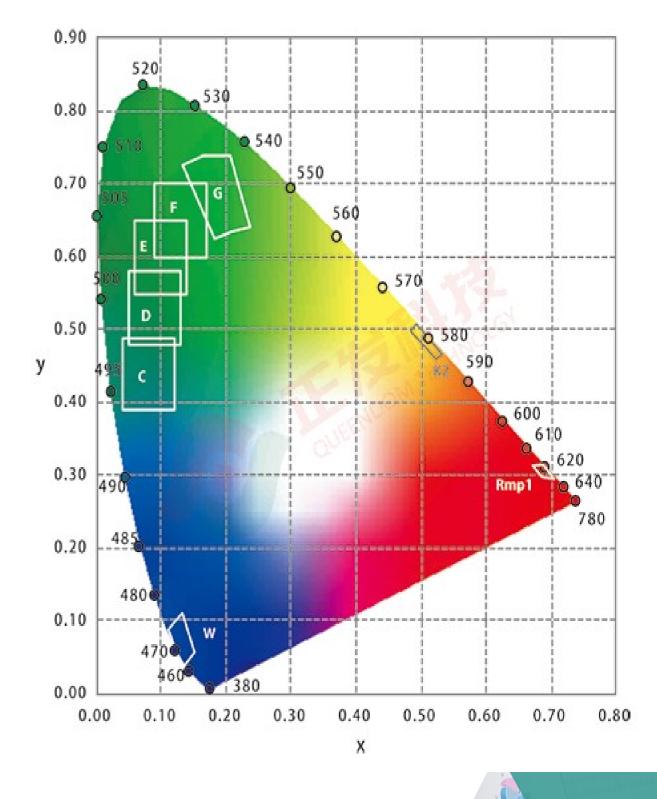
9) GaAs/GaAs & GaAlAs/GaAs 940nm

### LED White color temperature curve





### **LED** spectral distribution



QUEENDOM LED

### **SMD PLCC LEDs series**









3020 SMD LEDs

2835 SMD LEDs

3030 SMD LEDs

3535 SMD LEDs









3528 SMD LEDs

5050 SMD LEDs

4040 SMD LEDs

7070 SMD LEDs











3020 RGB SMD LEDs

2835 RGB SMD LEDs

3528 SMD RGB LEDs

3030 SMD RGB LEDs







3535 SMD RGB LEDs

5050 SMD RGB LEDs

5054 SMD RGB LEDs



### # high-power LEDs series & Ceramic Series







3535 high-power LEDs

5050 high-power LEDs

7070 high-power LEDs

### # high-power LEDs series









high-power LEDs

4PIN-high-power LEDs

6 PIN-high-power LEDs

8 PIN-high-power LEDs



high-power PCB LEDs







#### **APPLICATION**























3mm LEDs 5mm LEDs

8mm LEDs 10mm LEDs









2\*5\*7mm LEDs



5\*5\*7mm LEDs

Cylindrical LEDs series







Cylindrical 7mm LEDs



Cylindrical 10mm LEDs

Cylindrical 3mm LEDs Cylindrical 5mm LEDs

Straw Hat LEDs series

Oval LEDs series



Straw Hat 4.8mm LEDs

Straw Hat 10mm LEDs





Oval 346mm LEDs

Oval 546mm LEDs

PAG 09

**Bullet LEDs series** 









Bullet 3mm LEDs

Bullet 5mm LEDs

Bullet 8mm LEDs

Bullet 10mm LEDs

### Multi-Color LEDs series









3mm Bi Color LEDs

5mm Bi Color LEDs

3mm Cylindrical Bi Color EDs 5mm Cylindrical Bi Color EDs

### **RGB LEDs series**









2\*5\*5 RGB LEDs

5mm RGB LEDs

4.8mm RGB LEDs

8mm RGB LEDs

### Superflux LEDs series









Superflux 3mm LEDs

Superflux 5mm LEDs

Superflux 5mm Bullet LEDs flat top Superflux LEDs

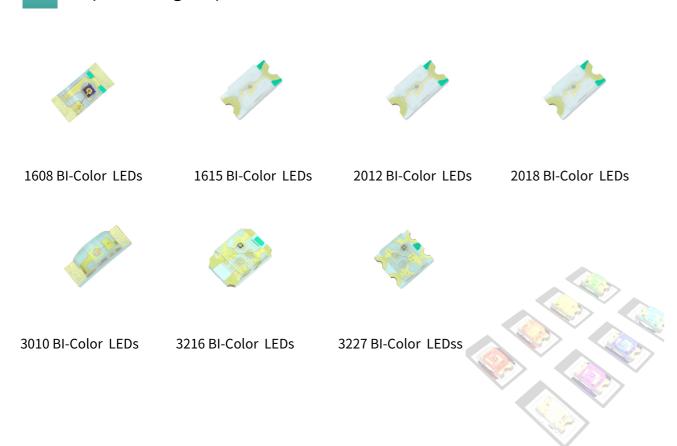
OUEENDOM LED



### Top-Emitting SMD Chip LEDs series



### Top-Emitting Chip SMD BI-Color LEDs series



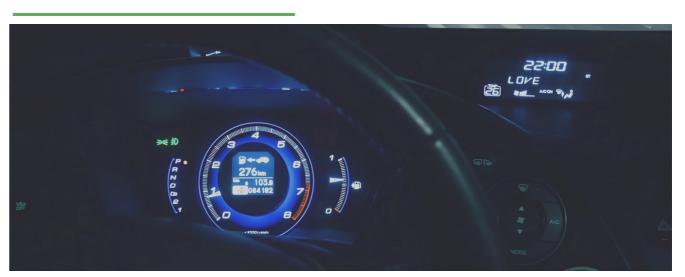


QUEENDOM LEI

### SMD Chip RGB-Color LEDs series



#### **APPLICATION**



Decoration and indication: decoration and indication purposes.

Whether in home, business or public places, you can see the application of LEDs as decorative lights or indicator lights.

Electronic equipment indicators: power switches, status indicators, etc.

Backlight and display: in liquid crystal displays (LCDs) and organic light-emitting diode displays (OLEDs). Medical and wearable devices: in medical and wearable devices.

Chip SMD LEDs have been widely used in lighting, decoration, indication, backlighting, medical and other fields due to their high efficiency, low energy consumption, long life, pure color, fast response and other characteristics.





## Infrared IR Series





2012 IR LEDs



2018 IR LEDs



3216 IR LEDs

1818 COB LEDs

3mm IR LEDs

1608 IR LEDs







10mm IR LEDs

8mm IR LEDs







high-power IR LEDs 3535 IR LEDs

5050 IR LEDs



3mm UV LEDs

3528 IR LEDs



5mm UV LEDs



3535 UV LEDs

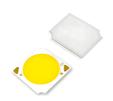


5050 UV LEDs



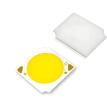
1414 COB LEDs





1919 COB LEDs

1313 COB LEDs





1616 COB LEDs

2828 COB LEDs

6060 COB LEDs

### Panel Mount Circuit Board Indicator (CBI)



3mm Board Indicator







5mm Board Indicator







10mm Board Indicator



234mm Board Indicator

257mm Board Indicator

255mm Board Indicator

259mm Board Indicator





## **Global Marketing Client Network**



### **Customer cooperation**



#### **QUEENDOM Enterprise Promotion Free Statement**

Copyright: All intellectual property rights of the QUEENDOM trademark, including but not limited to the trademark pattern, trademark name, and scope of trademark use, belong to Queendom Group Technology Co., Ltd.

Legal use: With the written authorization of Queendom Group Technology Co., Ltd., the partner can legally use the QUEENDOM trademark, but it must be used within the scope agreed in the contract and comply with relevant laws and regulations.

Queendom Group Technology Co., Ltd. has always been committed to providing customers with high-quality products and services and maintaining a good cooperative relationship with all partners. The company has always been adhering to good faith management, abiding by laws and regulations, and never doing anything illegal or illegal.

The interpretation, application, and dispute resolution of this statement shall be subject to the laws of the People's Republic of China. If there is a dispute with any third party, it should be resolved through friendly negotiation as much as possible.

Queendom Group Technology Co., Ltd. reserves the right to modify this statement at any time. The modified version will take effect upon publication and replace the original statement. It is recommended that relevant parties pay attention to the update of this statement regularly.

The above is the full content of the QUEENDOM Enterprise Promotion Free Statement. We look forward to working with all parties

