www.freelightingled.com



BRIGHT SOLUTIONS TO EMPOWER YOUR LIGHTING

2023

DIMMER **SWITCH**

































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ABOUT US

538⁺

CERAMIC MOLDS

88

PATENTS

413 +

LED BULB MODELS

FREE LIGHTING, is a professional LED lighting manufacturer, located in Shenzhen, China.

We strived to provide high Credibility products and Customized solutions with advanced technologies to our customers for the past 17 years.

We are happy to supply an annual output of 4.8 million LED light bulbs and 740,000 dimmers to worldwide customers.

We started to work on LED miniature lamp in 2013. We developed FREE LIGHTING ceramic miniature series, and launched the first patented G9 lamp in 2014, to solve problems such as low lumen, poor color performance and high decay issue for LED miniature lamp.

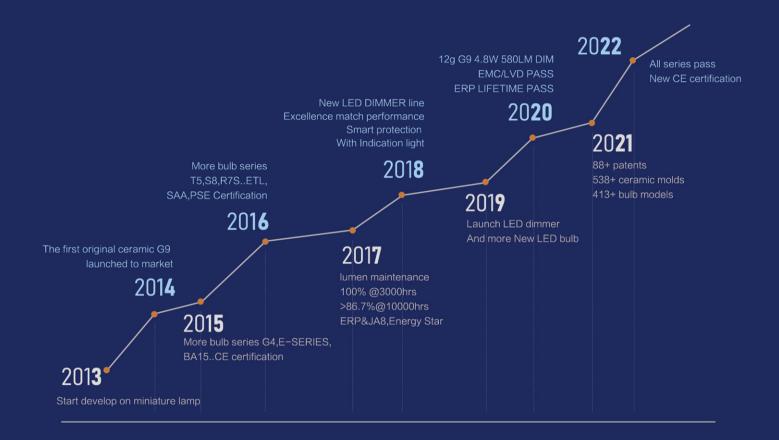
In 2017, we passed the first 10000hrs aging test on our 4.5W dimmable G9 lamp, which also successfully passed the ERP, JA8 and Energy Star lifetime test.

We also developed FREE LIGHTING LED dimmer series with electronic short–circuit, overload, overheat protection, and launched in 2019 to solve the matching problem of LED dimmer.





DEVELOPMENT HISTORY



TEST EQUIPMENT





Confidentiality & Product Safety Guaranteed-88 Patents & Full Certifications

We are a company with Integrity.

We understand how important to secure your original ideas and designs so that you will stay competitive in the market.

We can promise all the certifications and tests from our factory are based on real and accurate test data.

Strong R&D Support

We are not afraid to invest in future.

We are fully equipped with advanced test machines to shorten the development cycle for our customers.

For example, we have EMC test system, surge test system, digital photometer and 3D printer for development.

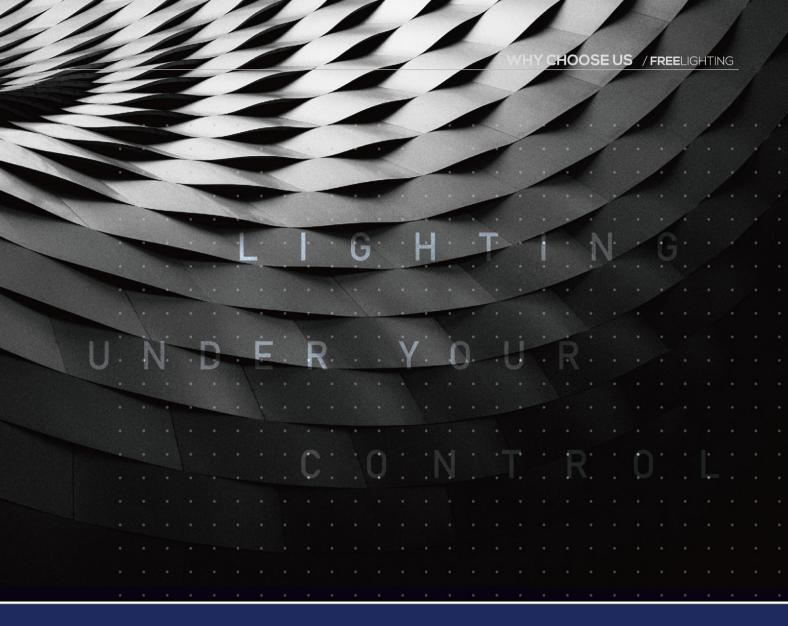
Also, we have photometric and electrical test system for quality control on mass production.

High Efficiency R&D

We Love what we do! And we do it fast!

With rich experience and passion, we can finish a new project within 45 days.

We developed over 538 ceramic molds and 413 LED bulbs which can match all specifications you need.



Complete Quality Control System to Protect Your Brand

To protect your brand and company reputation with reliable product quality is our mission.

During the early stage of new product development, we will pay attention to all design details to ensure good and stable quality can be achieved during mass production.

We perform 100% quality control for all products.

Every light bulb requires to pass 4 procedures tests and 6–8 hours aging test before packing.

Every dimmer needs to pass 3 procedures tests before packing.

Besides our skillful and stable workers are key contributors to maintain high quality standards.

Dimmer Solutions: Simple & Easy Matching

We developed FREE LIGHTING LED dimmer series which are user friendly, simple and easy to work with over 139 model lightings from different brands

Professional Team to Serve You Better

FREE LIGHTING has 48 employees. We are responsible, hardworking and stable.

R&D Engineer Team and sales Teams work very closely to provide efficient and professionalservice to our customers.

We will never stop improving.

DIMMER SWITCH

BRIGHT SOLUTIONS TO EMPOWER YOUR LIGHTING

To solve the problem of incompatibility between dimmable LED bulbs and dimmer switches, after 6 years of research, development, design, and trial & error, To reach this solution, in 2018, we first established our Product Research and Development Center. This R&D Center allowed us to develop a dimmer switch with an error indicator and electronic fuse. These show the status of the dimmer switch while it's working and, in the event of a problem, automatically reactivate it. We also developed overcurrent and overload protection for our dimmer switches, as well as electronic short circuit and overheating protection. Our new dimmer switches have the capability to light up your LED bulbs from a low button range and provide a wider range of control. Moreover, when dimming, the LED bulbs remain stable, with no flicker or flash. Lastly, our dimmer switches are all approved and have passed strict EMC and FCC regulations. We launched our newly reconfigured and improved dimmer switches to the market in 2018, and today, FREE LIGHTING has an annual output of over 740,000 dimmer switches.



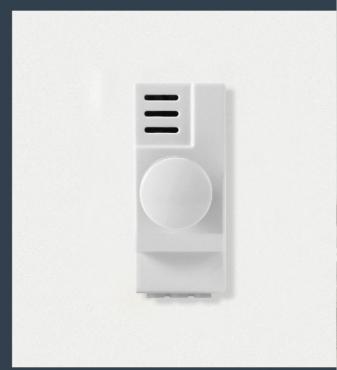
















ATTENTION

- Error Indicator
- Overcurrent Protection
- Overload Protection
- Overheat Protection
- Electronic Short-Circuit Protection

Wall Dimmer

| Dimming Method | R,C Trailing Edge |
|-------------------------|-----------------------|
| Dimensions | L 71 x W 71 x H 43 mm |
| Weight | 48g |
| Switch Control | One Way / Multi-Way |
| Anti-Flicker Adjustment | Yes |
| Certification | CE. EMC |
| Warranty | 3 Years |
| | |



1





2 3

| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|-----------|------------------|-----------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 1 | QE-PA-200W-001 | | 200W | 2-100W | | | | ~ | |
| 1 | QE-PA-350W-002 | | 350W | 2-175W | Push On/Off | | | ~ | |
| 1 | QE-PA-500W-002 | | 500W | 10-250W | | | | ✓ | ~ |
| 1 | QE-PA-700W-001 | 230V 50HZ | 700W | 10-350W | | | | ~ | ~ |
| 1 | QE-MC-250W-001 | | 250W | 10-125W | | | ~ | ✓ | ~ |
| 2 | QE-PA-350W-001 | | 350W | 2-175W | | ~ | ~ | ~ | |
| 3 | QE-PA-2*150W-001 | | 2X150W | 2X2-75W | | | ~ | ✓ | ~ |

QE-MC-250W-001, Multi-Way control QE-PA-2*150W-001, weight 63g

Wall Dimmer

| Dimming Method | R,C Trailing Edge |
|-------------------------|-----------------------|
| Dimensions | L 63 x W 27 x H 25 mm |
| Weight | 35g |
| Switch Control | One Way |
| Anti-Flicker Adjustment | Yes |
| Certification | CE. EMC |
| Warranty | 3 Years |
| | |



4

| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|-----------|----------------|-----------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 4 | QE-EN-200W-001 | 230V 50HZ | 200W | 2-100W | | | ~ | ~ | |
| 4 | QE-EN-200W-002 | | 200W | 2-100W | Push On/Off | | | ~ | |

Wall Dimmer

| Dimming Method | R,C Trailing Edge |
|----------------|------------------------|
| Dimensions | L 114 x W 70 x H 60 mm |
| Weight | 85g |
| Certification | ETL, FCC |
| Warranty | 3 Years |



| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|-----------|----------------|---------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 5 | QE-LC-120W-001 | 12V | 120W | 2-120W | Rotary On/Off | | | | |







Floor Dimmer

| Dimming Method | R,C Trailing Edge |
|--------------------------|-----------------------|
| Dimensions | Ф83 x 24 mm |
| Weight | 59g |
| Anti-Flicker Adjustment | Yes |
| Adjustable Dimming Speed | Yes |
| Certification | CE, EMC, ETL, FCC,SAA |
| Warranty | 3 Years |





| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|-----------|-----------------|------------------------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 1 | QE-FT-200W-001B | 230V 50HZ | 200W | 2-100W | | ~ | ~ | ~ | ~ |
| 1 | QE-FT-200W-002B | 230V 50HZ | 200W | 2-100W | | | | ~ | ~ |
| 1 | QE-FT-200W-001A | 120V 60HZ | 130W | 2-65W | Push On/Off | ~ | ~ | ~ | ~ |
| 1 | QE-FT-200W-002A | 1200 00112 | 130W | 2-65W | | | | ~ | ~ |
| 1 | QE-FT-50W-001 | 120V 60HZ 230V 50HZ | 50W | 2-25W | | | | ~ | ~ |

Floor Dimmer

| Dimming Method | R,C Trailing Edge |
|-------------------------|------------------------|
| Dimensions | L 60 x W 102 x H 35 mm |
| Weight | 78g |
| Anti-Flicker Adjustment | Yes |
| Certification | CE, EMC,SAA |
| Warranty | 3 Years |





| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|-----------|----------------|-----------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 2 | QE-FP-150W-001 | 230V 50HZ | 150W | 75W | Slide On/Off | ~ | ~ | ~ | |
| 2 | QE-FP-50W-001 | 230V 50HZ | 50W | 2-25W | | | | | |













- Error indicator
- Overcurrent Protection
- Overload Protection
- Overheat Protection
- Electronic Short-circuit Protection



| Dimming Method | R,C Trailing Edge |
|--------------------------|------------------------|
| Dimensions | L 100 x W 32 x H 20 mm |
| Weight | 44g |
| Anti-Flicker Adjustment | Yes |
| Adjustable Dimming Speed | Yes |
| Certification | CE, EMC, ETL, FCC,SAA |
| Warranty | 3 Years |



| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|-----------|-----------------|------------------------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 1 | QE-HP-150W-001B | | 150W | 2-75W | | ~ | ~ | ~ | ~ |
| 1 | QE-HP-150W-002B | 230V 50HZ | 150W | 2-75W | | | | ~ | ~ |
| 1 | QE-HP-150W-001A | 120V 60HZ | 100W | 2-50W | Push On/Off | ~ | ~ | ~ | ~ |
| 1 | QE-HP-150W-002A | 120V 60HZ | 100W | 2-50W | | | | ~ | ~ |
| 1 | QE-HP-50W-001 | 120V 60HZ 230V 50HZ | 50W | 2-25W | | | | ~ | ~ |

| Dimming Method | R,C Trailing Edge |
|-------------------------|------------------------|
| Dimensions | L 100 x W 32 x H 37 mm |
| Weight | 49g |
| Anti-Flicker Adjustment | Yes |
| Certification | CE, EMC, ETL, FCC,SAA |
| Warranty | 3 Years |





| į | Model No. | Voltage | Rated | Rated | Switch | Error | Short-Circuit | Overload & O |
|---|-----------|---------|-------|-------|--------|-------|---------------|--------------|

| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|-----------|-----------------|------------------------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 1 | QE-HR-150W-001B | | 150W | 2-75W | Push On/Off | ~ | ~ | ~ | ~ |
| 1 | QE-HR-150W-002B | 230V 50HZ | 150W | 2-75W | Push On/On | ~ | | ~ | ~ |
| 1 | QE-HR-150W-003B | | 150W | 2-75W | Rotary On/Off | ~ | ~ | ~ | |
| 1 | QE-HR-150W-004B | | 150W | 2-75W | | | | ✓ | |
| 1 | QE-HR-150W-001A | 120V 60HZ | 100W 2-50W | Push On/Off | ~ | ~ | ✓ | ~ | |
| 1 | QE-HR-150W-002A | 1200 00112 | 100W | 2-50W | r usii Oli/Oli | ~ | | ~ | ~ |
| 1 | QE-HR-50W-001 | 230V 50HZ | 50W | 2-25W | Rotary On/Off | | | | |
| 1 | QE-HR-150W-005 | 120V 60HZ 230V 50HZ | 150W | 2-50W | Push On/Off | ~ | | ✓ | ~ |

WIFI QE-HR-150W-005

| Dimmin - Mathad | D.C. Trailing Edge |
|-----------------|-----------------------|
| Dimming Method | R,C Trailing Edge |
| Dimensions | L 67 x W 33 x H 34 mm |
| Weight | 35g |
| Certification | CE, EMC, SAA |
| Warranty | 3 Years |



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| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start | |
|-----------|---------------|-----------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|--|
| 2 | QE-MR-50W-001 | 230V 50HZ | 50W | 2-25W | Rotary On/Off | | | | | |

Cord Dimmer

| Dimming Method | Leading Edge |
|----------------|-----------------------|
| Dimensions | L 81 x W 38 x H 23 mm |
| Weight | 38g |
| Certification | ETL, FCC |
| Warranty | 3 Years |



| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|-----------|---------------|-----------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 3 | QE-MP-50W-001 | 120V 60HZ | 50W | 2-25W | Slide On/Off | | | | |

| Dimming Method | R,C Trailing Edge |
|-------------------------|-------------------|
| Dimensions | Ф83 x 33 mm |
| Weight | 57g |
| Anti-Flicker Adjustment | Yes |
| Certification | CE, EMC, SAA |
| Warranty | 3 Years |



| Image. No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|------------|----------------|------------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 1 | QE-RR-150W-001 | 2201/50117 | 150W | 2-75W | Potory On/Off | ~ | ~ | ~ | |
| 1 | QE-RR-150W-002 | 230V 50HZ | 150W | 2-75W | Rotary On/Off | | | ~ | |











- Error Indicator
- Overcurrent Protection
- Overload Protection
- Overheat Protection
- Electronic Short-Circuit Protection



Press Button

| Dimming Method | R,C Trailing Edge | | | | |
|--------------------------|-----------------------|--|--|--|--|
| Dimensions | L 52 x W 49 x H 20 mm | | | | |
| Weight | 30g | | | | |
| Anti-Flicker Adjustment | Yes | | | | |
| Adjustable Dimming Speed | Yes | | | | |
| Certification | CE, EMC, ETL, FCC,SAA | | | | |
| Warranty | 3 Years | | | | |





| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|-----------|-----------------|-----------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 1 | QE-PU-200W-001B | 230V 50HZ | 200W | 2-100W | 5 1 6 16 1 | ~ | ~ | ~ | ~ |
| 1 | QE-PU-200W-001A | 120V 60HZ | 130W | 2-65W | Push On/Off | ~ | ~ | ~ | ~ |

Plug-in Dimmer

| Dimming Method | R,C Trailing Edge |
|----------------|------------------------|
| Dimensions | L 57 x W 109 x H 72 mm |
| Weight | 91.7g |
| Certification | CE, EMC, ETL, FCC,SAA |
| Warranty | 3 Years |





| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|-----------|-----------------|-----------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 2 | QE-PL-150W-001B | 230V 50HZ | 150W | 2-75W | Push On/Off | ~ | ~ | ~ | ~ |
| 2 | QE-PL-150W-001A | 120V 60HZ | 100W | 2-50W | | ~ | ~ | ~ | ~ |



Fixture dimmer module

| R,C Trailing Edge |
|------------------------|
| L 48 x W 31 x H 19.3mm |
| 24g |
| CE, EMC, SAA |
| 3 Years |
| |





| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|-----------|---------------|------------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 3 | QE-LA-50W-001 | 230V 50HZ | 50W | 2-25W | Rotary On/Off | | | | |
| 3 | QE-LA-50W-002 | 12VAC 60HZ | 50W | 2-50W | | | | | |



Dimmable Electronic Transformer

| Dimensions | L 72 x W 36 x H 24 mm |
|---------------|-----------------------|
| Weight | 75g |
| Certification | CE, EMC |
| Warranty | 3 Years |



| Image No. | Model No. | Voltage | Rated Watt | Rated Watt (LED) | Switch Method | Error Indicator | Short-Circuit Protection | Overload & Overheating Protection | Soft Start |
|-----------|---------------|-----------|---------------|------------------------|------------------|--------------------|-----------------------------|--------------------------------------|---------------|
| 1 | QE-TF-50W-001 | 230V 50HZ | 50W | 2-50W | N/A | | | ~ | |



Let's Work Together for a Better Planet!

FREE LIGHTING LIMITED

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