



LIGHTING UNDER YOUR CONTROL.



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FREE LIGHTING LIMITED

LED LAMP FACTORY

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LED DIMMER FACTORY

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*The contents of this volume are for reference only, and the relevant updates are subject to the enterprise announcement

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LIGHTING UNDER YOUR CONTROL

NEW DIMMER SWITCH

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ABOUT US



FREE LIGHTING is a world-class LED lighting manufacturer located in the city of Shenzhen, China. At FREE LIGHTING, we strive to provide products of the highest quality and also use our advanced technologies to provide customized LED lighting solution to our customers worldwide. We've been manufacturing and selling top-quality LED light bulbs and dimmers for the better part of 16 years and are proud of the fact that we've successfully delivered over 4.8 million LED bulbs and over 740,000 dimmers to our diversified customer base.

In 2013, FREE LIGHTING got started on our very first miniature LED lamp. Our motto then, and today, has always been the same: never settle for anything less than the best. Over the years FREE LIGHTING has pushed the boundaries of LED lighting with our ceramic miniature series. In 2014, we launched the first patented G9 lamp which solved several different LED light issues, including low lumens, poor color performance and a high decay rate.

In 2017, FREE LIGHTING passed several important testing barriers, including the very first 10,000 hours aging test using our dimmable 4.5 W G9 lamp. This same superior lamp also passed the ERP, JA8 and Energy Star lifetime tests. It was in 2019 that our company launched our new LED dimmer series, which also solved the many issues with LED dimmers.

DEVELOPMENT HISTORY

538
CERAMIC MOLDS

88
PATENTS

413
LED BULB MODELS

2013

Start develop on miniature lamp

2014

The first original ceramic G9 launched to market

2015

More bulb series G4,E-SERIES, BA15..CE certification

2016

More bulb series T5,S8,R7S..ETL, SAA,PSE Certification

2017

lumen maintenance 100% @3000hrs >86.7%@10000hrs ERP&JA8,Energy Star

2018

New LED DIMMER line Excellence match performance Smart protection With Indication light

2019

Launch LED dimmer And more New LED bulb

2020

12g G9 4.8W 580LM DIM EMC/LVD PASS ERP LIFETIME PASS

2021

88+ patents 538+ ceramic molds 413+ bulb models

2022

All series pass New CE certification

2023

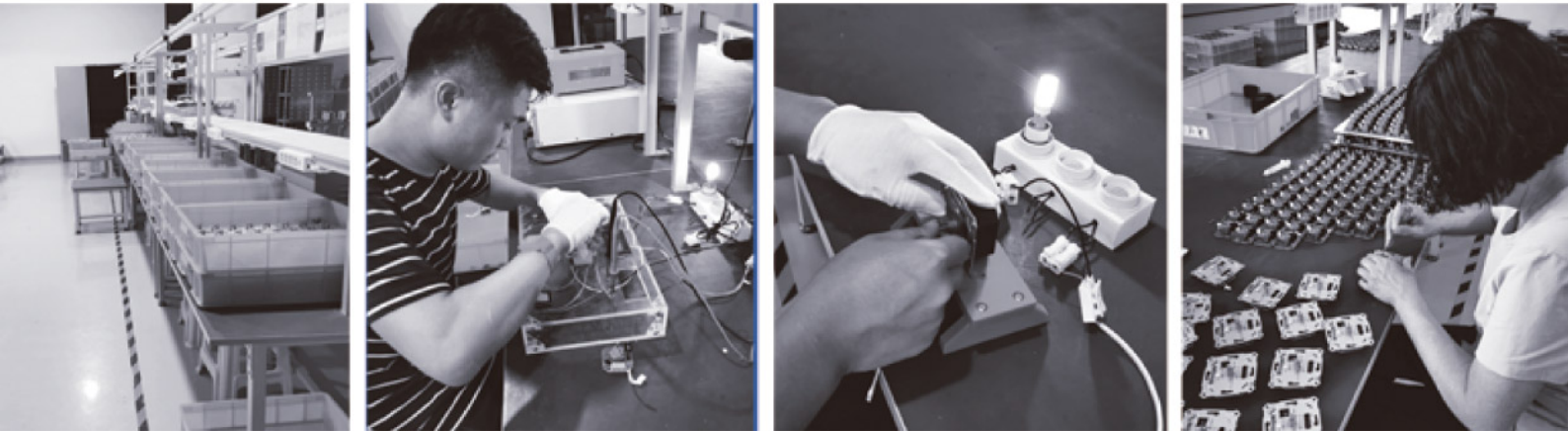
The tenth year in LED miniature bulb industry Launch Slide switch G4/G9 and Dim to Warm bulb series The latest PLC module designed specifically for landscaping applications.

L I G H T I N G

U N D E R Y O U R

C O N T R O L

PRODUCTION PROCESS



**DIMMER SOLUTIONS:
SIMPLE & EASY MATCHING**

FREE LIGHTING is proud to have developed our LED dimmer series, which is 100% user-friendly, easy to use and works with over 128 LED models from a variety of different brands.

**WE HAVE A PROFESSIONAL TEAM
TO BETTER SERVE YOUR NEEDS**

The FREE LIGHTING team is composed of 48 hard-working employees who are highly responsible, hard working, and secure in the work they do. Our R&D Engineering team as well as our sales team will work very closely with your organization to provide outstanding service and professionalism at all times. And we can promise you this; FREE LIGHTING will never stop improving.

STRENGTHS/

**100% QUALITY CONTROL
TO PROTECT YOUR BRAND**

Our mission at FREE LIGHTING is to provide extremely reliable products that protect your brand's name and reputation. This begins during the very first stages of product development, where we pay close attention to every design detail. That way, during mass production, superior quality LED dimmers will be the result.

During this time, 100% quality control is the key. Every light bulb we produce must pass our 8-hour aging test and 4 procedure tests before they are approved to be packed and shipped. Our dimmers must pass 4 procedure tests also, ensuring all products shipped to you are in 100% working condition. At the core of these tests are the skilled, productive and proud workers who are

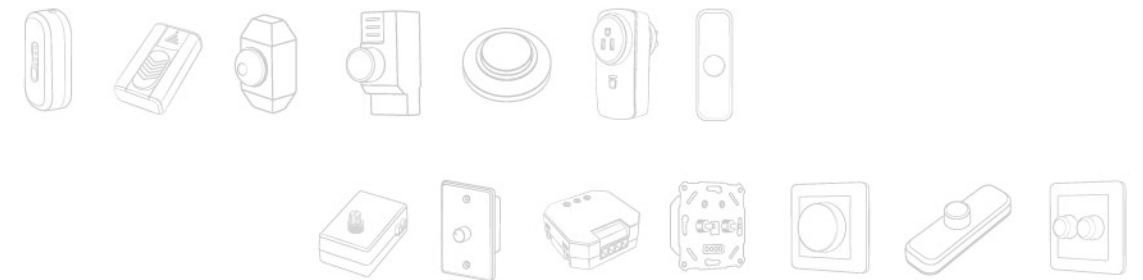
**CONFIDENTIALITY & PRODUCT
SAFETY GUARANTEED-88 PATENTS
& FULL CERTIFICATIONS**

At FREE LIGHTING we're very proud to be a company with the highest level of integrity. We understand how vital it is that your original ideas and designs are secure, and that your competitiveness within your market stays high. You can be confident that all of the certifications and tests we provide are 100% bona fide and based on real test data.

DIMMER

FREE LIGHTING LAUNCHED OUR NEWLY RECONFIGURED AND IMPROVED DIMMER SWITCHES TO THE MARKET IN 2018, OUR DIMMER SWITCHES ARE ALL APPROVED AND HAVE PASSED STRICT EMC AND FCC REGULATIONS. AND TODAY, OUR HAS AN ANNUAL OUTPUT OF OVER 740,000 DIMMER SWITCHES.

SWITCH



One of the challenges that we've heard about most frequently since launching our FREE LIGHTING LED light bulb series in 2014 concerns dimmer switches. More specifically, many of our valued customers have inquired why there is an obvious mismatch issue between the dimmer switch and dimmable LED light bulbs that cause them to flicker and flash. Consumers have asked many times over the years if it was possible for FREE LIGHTING to design a dimmer switch that is more compatible with dimmable LED light bulbs. That way, the annoying and concerning issues they were facing would finally be solved. We're very proud to say that, after 6 years of research, development, design, and trial & error, the problem of incompatibility between dimmable LED bulbs and dimmer switches has been successfully solved.

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.

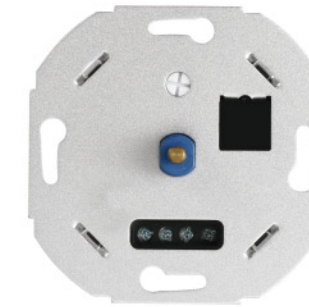
WALL DIMMER



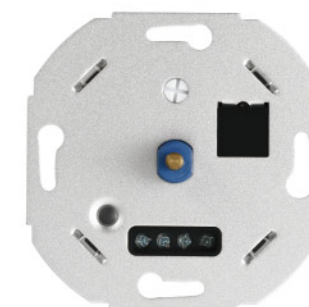
ATTENTION

- ▶ ERROR INDICATOR
- ▶ OVERCURRENT PROTECTION
- ▶ OVERLOAD PROTECTION
- ▶ OVERHEAT PROTECTION
- ▶ ELECTRONIC SHORT-CIRCUIT PROTECTION

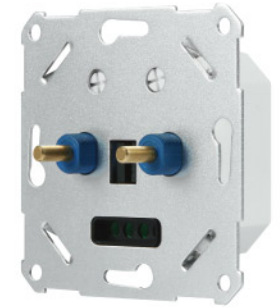
DimmingMethod	R,C Trailing Edge
Dimensions	L71 x W71 x H43 mm
Weight	48 g
Switch/Control	One Way
Anti-Flicker Adjustment	Yes
Certification	CE, EMC
Warranty	3 Years



1



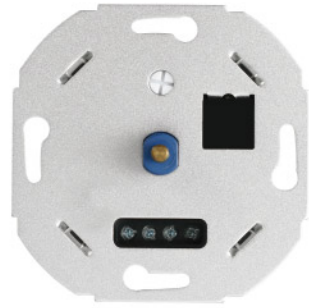
2



3

Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	On/Off Style	Error Indicator	Electronic short-circuit protection	Overload & Overheating protection	Soft Start
1	QE-PA-200W-001	200-240V 50Hz	200W	2-100W	Push On/Off			✓	
2	QE-PA-350W-001		350W	2-175W		✓	✓	✓	
1	QE-PA-350W-002		350W	2-175W				✓	
1	QE-PA-500W-002		500W	10-250W				✓	✓
1	QE-PA-700W-001		700W	10-350W				✓	✓
3	QE-PA-2*150W-001		2X150W	2 x 2-75W			✓	✓	✓

QE-PA-2*150W-001, Weight 63g



Model	QE-MC-250W-001	QE-PA-300W-001
Dimming Method	R,C Trailing Edge	Leading and Trailing Edge
Switch/Control	Multi-Way	One Way
Working voltage	200-240V 50Hz	
Rated Watt	250W	300W
Rated Watt (LED)	10-125W	10-150W
On/Off Style	Push On/Off	
Electronic short-circuit protection	✓	
Overload protection	✓	✓
Overheating protection	✓	✓
Loading auto detective	✓	✓
Soft start	✓	✓
Wifi Smart		✓
Dimensions	L 70.6 x W 70.6 x H 43.0 mm	
Weight	48 g	
Anti-Flicker Adjustment	Yes	
Certification	CE, EMC	
Warranty	3 Years	

QE-MC-250W-001 / R,C Trailing Edge/ Multi-Way
 QE-PA-300W-001 / Leading and Trailing Edge

DimmingMethod	R,C Trailing Edge
Dimensions	L63 x W27 x H25 mm
Weight	35 g
Switch/Control	One Way
Anti-Flicker Adjustment	Yes
Adjustable Dimming Speed	No
Certification	CE, EMC
Warranty	3 Years



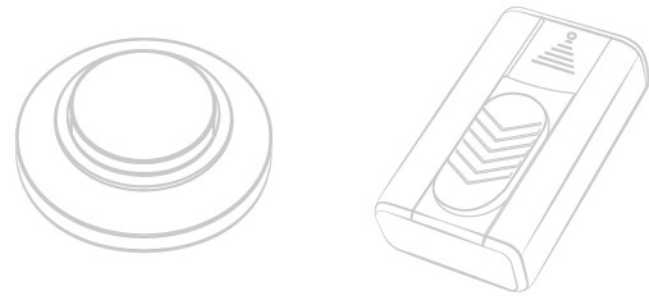
Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	On/Off Style	Electronic short-circuit protection	Overload protection	Overheating protection
	QE-EN-200W-001	200-240V	200W	2-100W	Push On/Off	✓	✓	✓
	QE-EN-200W-002	50Hz	200W	2-100W			✓	✓

DimmingMethod	R,C Trailing Edge
Dimensions	L52 x W49x H20 mm
Weight	30 g
Switch/Control	One Way
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)	On/Off Style	Error Indicator	Electronic short-circuit protection	Overload & Overheating Protection	Soft Start
	QE-PU-200W-001	200-240V 50Hz	200W	2-100W	Push button interface On/Off	✓	✓	✓	✓
	QE-PU-200W-001A	90-120V 60Hz	130W	2-65W		✓	✓	✓	✓

FLOOR DIMMER



ATTENTION

- ▶ ERROR INDICATOR
- ▶ OVERCURRENT PROTECTION
- ▶ OVERLOAD PROTECTION
- ▶ OVERHEAT PROTECTION
- ▶ ELECTRONIC SHORT-CIRCUIT PROTECTION

Dimming Method	R,C Trailing Edge
Dimensions	Ø 83 x 24 mm
Weight	59 g
Anti-Flicker Adjustment	Yes
Adjustable Dimming Speed	Yes
Certification	CE, EMC, ETL, FCC, SAA
Warranty	3 Years



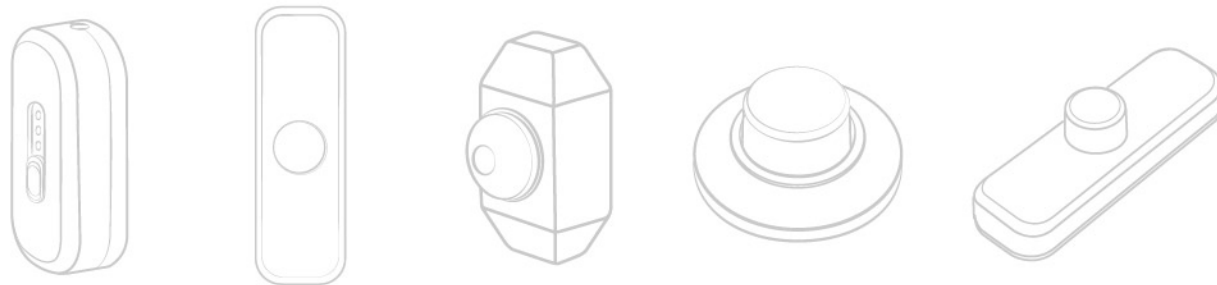
Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	On/Off Style	Error Indicator	Electronic short-circuit protection	Overload & Overheating Protection	Soft Start
	QE-FT-200W-001	200-240V	200W	2-100W	Push On/Off	✓	✓	✓	✓
	QE-FT-200W-002	50Hz	200W	2-100W		✓	✓	✓	✓
	QE-FT-200W-001A	90-120V	130W	2-65W		✓	✓	✓	✓
	QE-FT-200W-002A	60Hz	130W	2-65W		✓	✓	✓	✓
	QE-FT-50W-001	90-120V / 200-240V	50W	2-25W		✓	✓	✓	✓

Dimming Method	R,C Trailing Edge
Dimensions	L60 x W102 x H36 mm
Weight	78 g
Anti-Flicker Adjustment	Yes
Certification	CE, EMC, ETL, FCC, SAA
Warranty	3 Years



Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	On/Off Style	Error Indicator	Electronic short-circuit protection	Overload & Overheating Protection	Soft Start
	QE-FP-150W-001	200-240V 50Hz	150W	2-75W	Slide On/Off	✓	✓	✓	
	QE-FP-150W-001A	90-120V 60Hz	100W	2-50W		✓	✓	✓	
	QE-FP-50W-001	90-120V / 200-240V 50/60Hz	50W	2-25W		✓	✓	✓	

CORD DIMMER



ATTENTION

- ▶ ERROR INDICATOR
- ▶ OVERCURRENT PROTECTION
- ▶ OVERLOAD PROTECTION
- ▶ OVERHEAT PROTECTION
- ▶ ELECTRONIC SHORT-CIRCUIT PROTECTION

Dimming Method	R,C Trailing Edge
Dimensions	L100 x W32 x H20 mm
Weight	44 g
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)	On/Off Style	Error Indicator	Electronic short-circuit protection	Overload & Overheating Protection	Soft Start
	QE-HP-150W-001	200-240V 50Hz	150W	2-75W	Push On/Off	✓	✓	✓	✓
	QE-HP-150W-002		150W	2-75W		✓	✓	✓	
	QE-HP-150W-001A	90-120V 60Hz	100W	2-50W		✓	✓	✓	✓
	QE-HP-150W-002A		100W	2-50W		✓	✓	✓	
	QE-HP-50W-001	90-120V / 200-240V 50/60Hz	50W	2-25W					✓

Dimming Method	R,C Trailing Edge
Dimensions	L100 x W32 x H37mm
Weight	49 g
Anti-Flicker Adjustment	Yes
Certification	CE, EMC, ETL, FCC,SAA
Warranty	3 Years



Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	On/Off Style	Error Indicator	Electronic short-circuit protection	Overload & Overheating Protection	Soft Start
	QE-HR-150W-001	200-240V 50Hz	150W	2-75W	Push On/Off	✓	✓	✓	✓
	QE-HR-150W-002		150W	2-75W				✓	✓
	QE-HR-150W-003		150W	2-75W	Rotary On/Off	✓	✓	✓	
	QE-HR-150W-004		150W	2-75W				✓	
	QE-HR-150W-001A	90-120V 60Hz	100W	2-50W	Push On/Off	✓	✓	✓	✓
	QE-HR-150W-002A		100W	2-50W				✓	✓
	QE-HR-150W-003A		100W	2-50W	Rotary On/Off	✓	✓	✓	
	QE-HR-150W-004A		100W	2-50W				✓	
	QE-HR-50W-001	90-120V / 200-240V 50 / 60Hz	50W	2-25W	Rotary On/Off				

Dimming Method	R,C Trailing Edge
Dimensions	Ø 83 x 33 mm
Weight	57 g
Anti-Flicker Adjustment	Yes
Certification	CE, EMC, ETL, FCC,SAA
Warranty	3 Years



Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	On/Off Style	Error Indicator	Electronic short-circuit protection	Overload & Overheating Protection
	QE-RR-150W 001	200-240V 50Hz	150W	2-75W	Rotary On/Off	✓	✓	✓
	QE-RR-150W 002		150W	2-75W		✓	✓	✓
	QE-RR-150W 001A	90-120V 60Hz	100W	2-50W		✓	✓	✓
	QE-RR-150W 002A		100W	2-50W				✓

Dimming Method	R,C Trailing Edge
Dimensions	L67 x W33 x H34 mm
Weight	35 g
Certification	CE, EMC, ETL, FCC,SAA
Warranty	3 Years



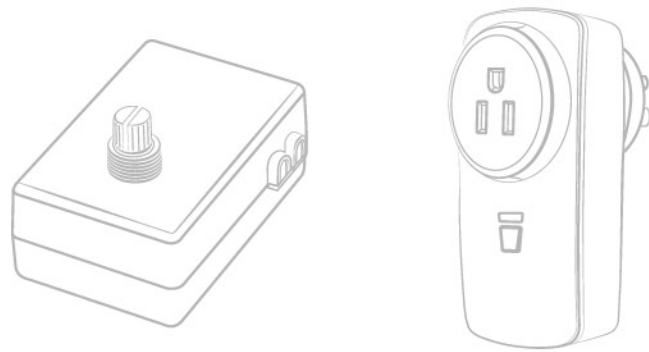
Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	On/Off Style
	QE-MR-50W-001	90-120V/200-240V 50/60Hz	50W	2-25W	Rotary On/Off

Dimming Method	Leading Edge
Dimensions	L81 x W38x H 23mm
Weight	38 g
Certification	CE, EMC, ETL, FCC,SAA
Warranty	3 Years



Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	On/Off Style
	QE-MP-50W-001	90-120V 60Hz	50W	2-25W	Slide On/Off

OTHER DIMMER AND TRANSFORMER



ATTENTION

- ▶ ERROR INDICATOR
- ▶ OVERCURRENT PROTECTION
- ▶ OVERLOAD PROTECTION
- ▶ OVERHEAT PROTECTION
- ▶ ELECTRONIC SHORT-CIRCUIT PROTECTION

Dimming Method	R,C Trailing Edge
Dimensions	L57 x W109 x H72mm
Weight	92 g
Certification	CE, EMC, ETL, FCC,SAA
Warranty	3 Years



Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	On/Off Style	Error Indicator	Electronic short-circuit protection	Overload & Overheating Protection	Soft Start
	QE-PL-150W-001	200-240V 50Hz	150W	2-75W	Push On/Off	✓	✓	✓	✓
	QE-PL-150W-001A	90-120V 60Hz	100W	2-50W		✓	✓	✓	✓

Dimming Method	R,C Trailing Edge
Dimensions	L48 x W31 x H19mm
Weight	24 g
Certification	CE, EMC, ETL, FCC,SAA
Warranty	3 Years



Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	On/Off Style
	QE-LA-50W-001	90-120V 60Hz 200-240V 50Hz	50W	2-25W	Rotary On/Off
	QE-LA-50W-002	12V AC 60Hz	50W	2-50W	

Dimming Method	R,C Trailing Edge
Dimensions	L 48 x W 31 x H 19 mm
Weight	24 g
Certification	CE, EMC, ETL, FCC, SAA
Warranty	3 Years

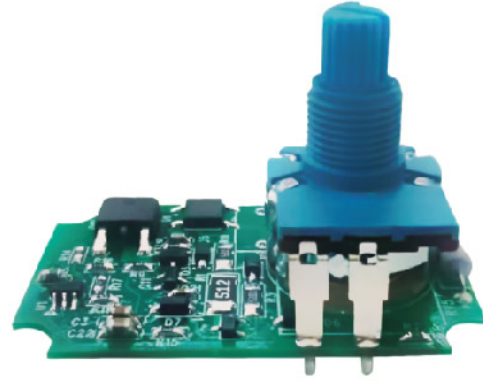
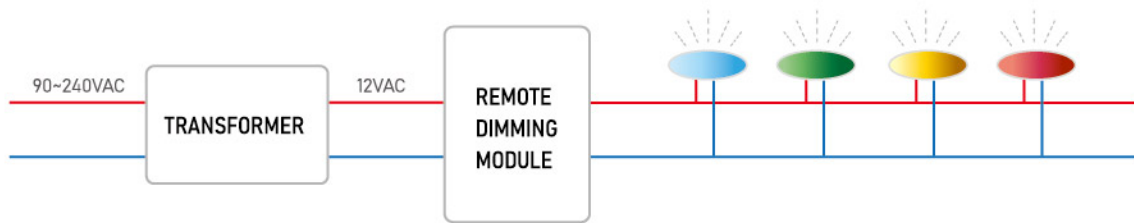


Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	On/Off Style
	QE-LA-50W-003	200-240V 50Hz	50W	2-25W	Rotary On/Off



REMOTE DIMMING MODULE

Dimensions	L110 x W60 x H37 mm
Weight	350 g
Certification	CE, EMC
Warranty	3 Years



Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	Control Way
	QE-PM-120W-002	12V AC 60Hz	120W	3-70W 10A Max	433MHz RF

DIMMABLE ELECTRONIC TRANSFORMER

Dimensions	L73 x W37 x H24 mm
Weight	78 g
Certification	CE, SAA
Warranty	3 Years



Image No.	Model No.	Voltage	Output Voltage	Output Current	Rated Watt	Rated Watt (LED)	Overload Protection	Overheating Protection
	QE-TF-50W-001	200-240V 50Hz	12V AC	0-4.3A	50W	2-50W	✓	✓



POWER LINE CARRIER GATE

S/O	FREE LIGHTING	Other Brand
Principle	Power Line Carrier(PLC)	Wifi/Bluetooth/Zigbee
Working Mode	APP send instructions to each LED through PLC gate	APP send instructions to each LED directly
Pairing	Only PLC Gate	Each bulb
Trans-medium	Power line	Wireless
Distance	Same as wire length	About 10 meters
Stability	Good	Bad
Sensitivity	Response immediately	Response delay, easily off line
Price	LOW	Expensive
Size	Small, can be built-in bulb	Large, fit for External power source



Image No.	Model No.	Voltage	Rated Watt	Rated Watt (LED)	Dimming	Color-temperature adjusting	RGB adjusting	Control Way
	QE-PLG-120W-002	12V AC	120W	3-70W 10A Max				433MHz RF
	QE-PLG-120W-003	12V AC	120W	3-70W 10A Max	✓	✓	✓	tuya