



BLTC

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bltc

2026

# Product Roadmap

BEAUTIFUL LIGHT TECHNOLOGY CORP.



# *Roadmap*

**INTELLIGENT**




# BLTC 2026 Intelligent Products Roadmap

## New Products

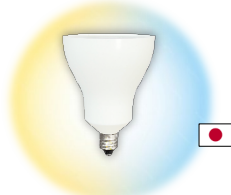
## 2026 Q1, Q2

## 2026 Q3, Q4

Intelligent   
Lamp / Luminaire



PAR16 GU10



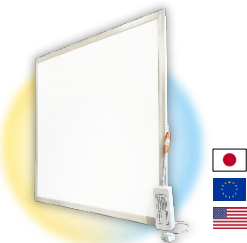
JDR50 E11



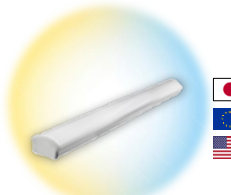
BR30/BR40



PAR30/PAR38



Panel Light



Liner Light



GX53



A60/A70



 Minibee  
PAR16 GU10



# Specifications of Intelligent Products

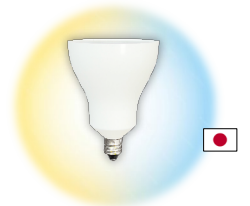
(New Release / Under Develop)



PAR16 GU10



**Minibee**  
PAR16 GU10



JDR50 E11



PAR30/PAR38



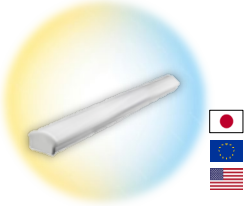
BR30/BR40



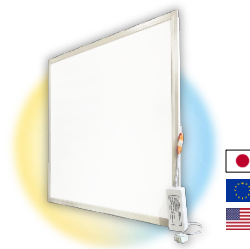
GX53



A60/A70



Linear Light



Panel Light

Lamp	Base	Input Vol.	Beam	Lumen@Wat.	Feature	Note
PAR16	GU10	100-240V	40°/60°	400lm@4.5W	Tunable White	New Release
JDR50	E11			400lm@4.5W		
PAR30	E26/E27			800lm@10W		
PAR38	E26/E27			1000lm@12W		
BR30	E26/E27		>110°	800lm@10W	Tunable White	2026.Q2 Ready
BR40	E26/E27			1000lm@12W		
PAR16	GU10		40°/60°	500lm@5W	Tunable White	2026.Q2 Ready
GX53	GX53		>110°	700lm@9W		
A60	E26/E27		>180°	800lm@8W	1CH/2CH/5CH	2026.Q2 Ready
A70	E26/E27			1200lm@10W		
Liner Light	Wire		>110°	2520lm@18W	Tunable White	New Release
Liner Light	Wire			5040lm@36W		
Panel Light	Wire			2520lm@25W		
Panel Light	Wire			5040lm@32W		



# All Type Smart Lamps You Can Find From BLTC



Choose the lamp shape you like, then select the lighting control you need.

1 CH  
Warm/ Cool white

2 CH  
Tunable White

4 CH  
RGB  
+  
Warm/ Cool white

5 CH  
RGB  
+  
Tunable White

Lamp shape x Channel configuration can be tailored per project.



# BLTC 2026 Intelligent Products Roadmap

## New Products

## 2026 Q1, Q2

## 2026 Q3, Q4

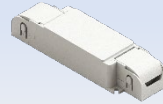
Driver



NFC LED Driver  
12W/25W



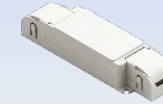
NFC LED Driver  
40W/60W



DIP SWITCH  
LED Driver 12W



DIP SWITCH  
LED Driver 25W



DIP SWITCH  
LED Driver 40W



DIP SWITCH  
LED Driver 60W



Intelligent



Accessories



118 Type Wall Switch



86 Type Wall Switch



DALI Gateway



Dali Repeater-  
Surface Mount



2-in-1 Dual Adapter



TRIAC Dimmer



PWM adapter



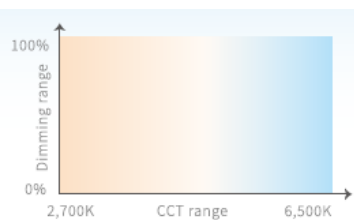


# DIP SWITCH LED Driver

UNDER DEVELOPMENT

## Feature:

- DIP Switch LED Driver allows users to easily configure output current or power via built-in DIP switches—providing flexibility without software, apps, or programming tools.



 Working Voltage  
- WIDE

In addition to traditional dimming drivers, we also provide smart drivers to control CCT and RGB (under development), based on the needs of luminaire manufacturers.

 Configuration  
- QUICK

Our product has conventional and antenna extension version to keep the signal transmission strength at different luminaire installation environments.

 Installation  
- EASY

Our drivers can be installed inside the luminaire as a built-in driver or outside as an independent driver, easily adjusted with a screwdriver.

	12W	25W	40W	60W
<b>Input Voltage</b>	100 ~ 277 V	100 ~ 277 V	100 ~ 277 V	100 ~ 277 V
<b>Inrush current</b>	20A@230V	20A@230V	20A@230V	20A@230V
<b>Power Factor</b>	>0.9@full load	>0.9@full load	>0.9@full load	>0.9@full load
<b>Frequency</b>	47-63 Hz	47-63 Hz	47-63 Hz	47-63 Hz
<b>Leakage Current</b>	<0.5mA@240V	<0.5mA@240V	<0.5mA@240V	<0.5mA@240V
<b>Working Voltage</b>	6-42V	6-54V	12-54 V	12-54 V
<b>Full load Voltage</b>	21-42V	27-54V	27-54 V	27-54 V
<b>Working Current</b>	280-570 mA	460-920 mA	740-1480 mA	1100-2200 mA
<b>Output Power Rated</b>	12W	25W	40W	60W
<b>Efficiency</b>	>80%@full load	>80%@full load	>80%@full load	>80%@full load
<b>Dimension</b>	89*37*25.5 mm	98.7*50.1*29 mm	141.5*56*30.5 mm	141.5*56*30.5 mm



# 86/118 TYPE SMART AUTO-GROUP SWITCH

NEW

## Feature:

- App-free light grouping
- Detachable control panel
- 3 customizable scene buttons
- Clear color display feedback
- Standalone & app modes

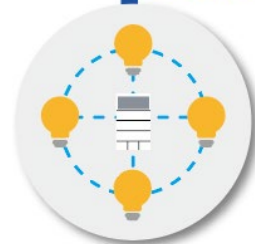


Simple Install  
and Setup



Portable  
Controller

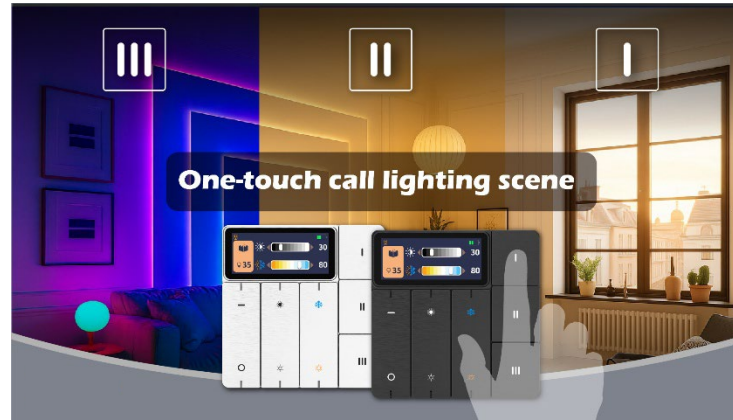
2 Operation System/Mode



Fast Grouping -  
APP free(Basic)



APP Mode  
(Advanced)



Even if the panel buttons not work,  
the wall switch can operate normally.



App-Free Pairing, Group Lighting Control



Smart 118 Type Auto-group Switch

Smart 86 Type Auto-group Switch





# TRIAC Dimmer

## Feature:

- The adapter is a Bluetooth-controlled, long-range, BT-enabled, trailing-edge dimmer for incandescent lamps, dimmable LED lamps and dimmable LED control gear.
- With BLTC's TRIAC Dimmer compatible dimmable load can be easily converted to become a part of a BLTC mesh radio network.
- It can load up to 240W@240VAC, and also features an overcurrent and over temperature protection.
- It can be controlled with HOZbee/ FireBEE App, available for iOS and Android devices, as well as with traditional wall switches.



Input	
Voltage	100 ~ 277 VAC
Frequency	50/60Hz
Max mains current	1.0 A
No-load standby power	<0.3W
Output	
Dimming method	trailing-edge phase control
Max. output power	240 W @ 240 VAC
Min. load requirement	1W
Max. load inrush current	10A, 100 ms
Max. output current	1.0 A

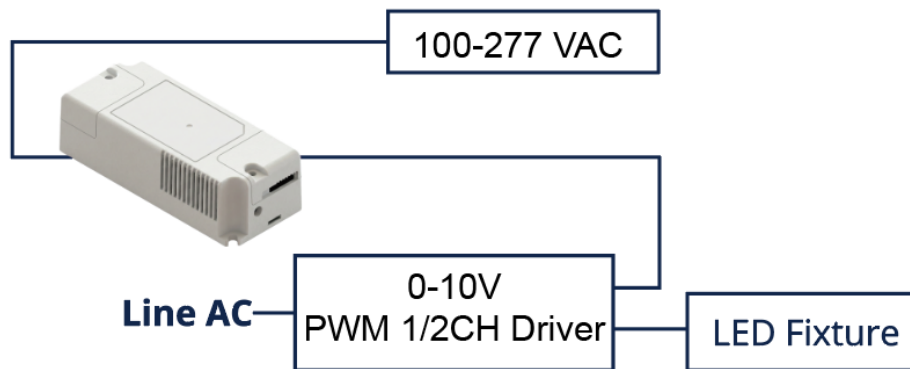


# PWM Adapter

UNDER DEVELOPMENT

## Feature:

- This PWM adapter is a Bluetooth-controllable, APP-enabled 1-2 channel PWM dimmer for the LED driver with PWM input.
- It can control up to 2 channels making it an ideal partner for one white(W) and tunable white (TW) applications.
- The maximum combined output current is 200 mA, which can be freely connected to one or multiple PWM LED drivers at same time.



Input	
Voltage range	100-277 VAC
Frequency	50/60Hz
Max mains current	35 mA
No-load standby power	<0.5W
Channel 1 output	
Output voltage	12 VDC, Max. 200 mA (sourcing)
Maximum number of drivers	1 or Multiple Drivers
Dimming Method	Pulse Width Modulation (PWM, freq.1,000 Hz)
Channel 2 output	
Output voltage	12 VDC, Max. 200 mA (sourcing)
Maximum number of drivers	1 or Multiple Drivers
Dimming Method	Pulse Width Modulation (PWM, freq.1,000 Hz)



# DALI + BLTC Product Ecosystem = Wired DALI Meets Wireless Smart Lighting

UNDER  
DEVELOPMENT



DALI Gateway



DALI Repeater

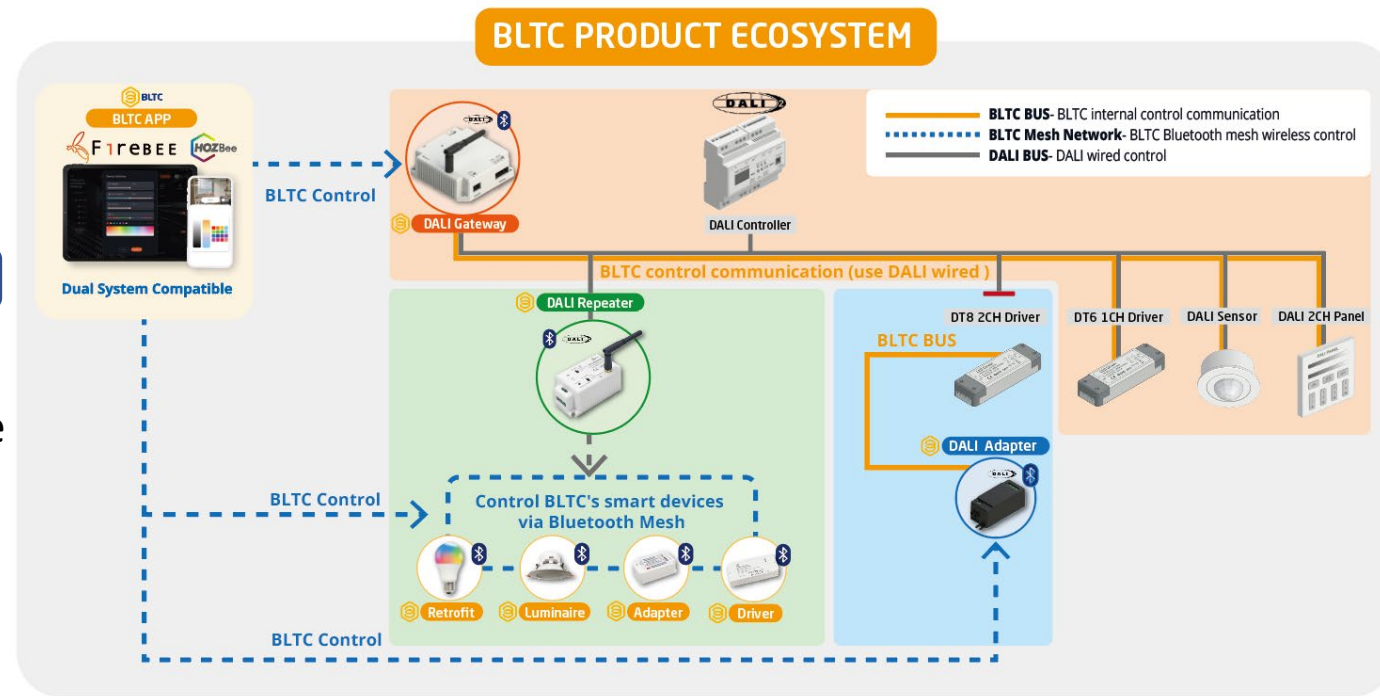


2-in-1 Dual Adapter

BLTC bridges standard DALI lighting control with Bluetooth mesh smart devices, enabling flexible system expansion and cost-efficient upgrades.

## Feature:

- **Network Expansion-** Easily expand lighting networks beyond traditional DALI limitations.
- **DALI to BLTC Bluetooth Mesh-** Connect wired DALI control to wireless BLTC smart devices.
- **Reduce Control Gear & Cost-** Fewer controllers, less wiring, lower system cost.





# DALI Repeater

**NEW**

## Feature:

- Enlarge the controllable devices in your DALI System
- Multiple Signal Output (optional)
- Easily being integrated in the electrical box by supporting DIN35 rail system



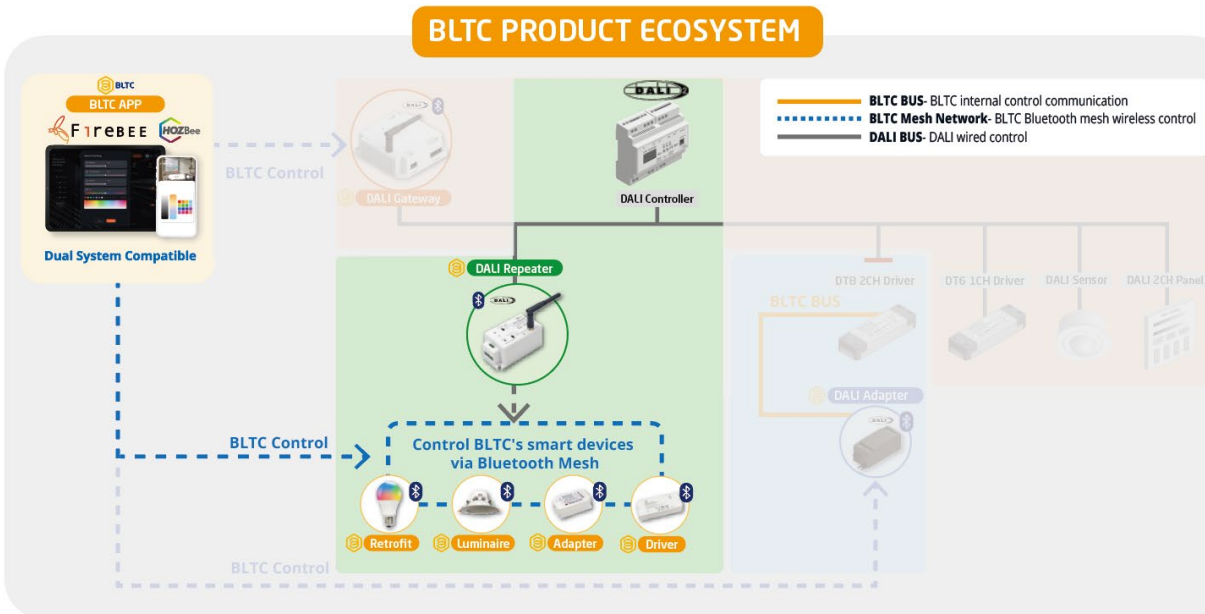
**BLI-DALIER-M-BT01**  
**Surface Mount**

Expandable to support  
16V power output



**BLIREBA-W001HEXT**  
**DIN-rail mount**

DALI bus power supply  
needs to be installed.



	BLI-DALIER-M-BT01	BLIREBA-W001HEXT
Input Voltage	100-240 V	100-240 V
Power	5W	<1W
Radio Frequency	2.4GHz	2.4GHz
Output Voltage	16V / 250mA(Max)	
Range	15-20M	15-20M
Operating Temp.	-20°-60°C	-20°-60°C
Storage Temp.	-20°-70°C	-20°-70°C
IP Rated	IP20	IP20

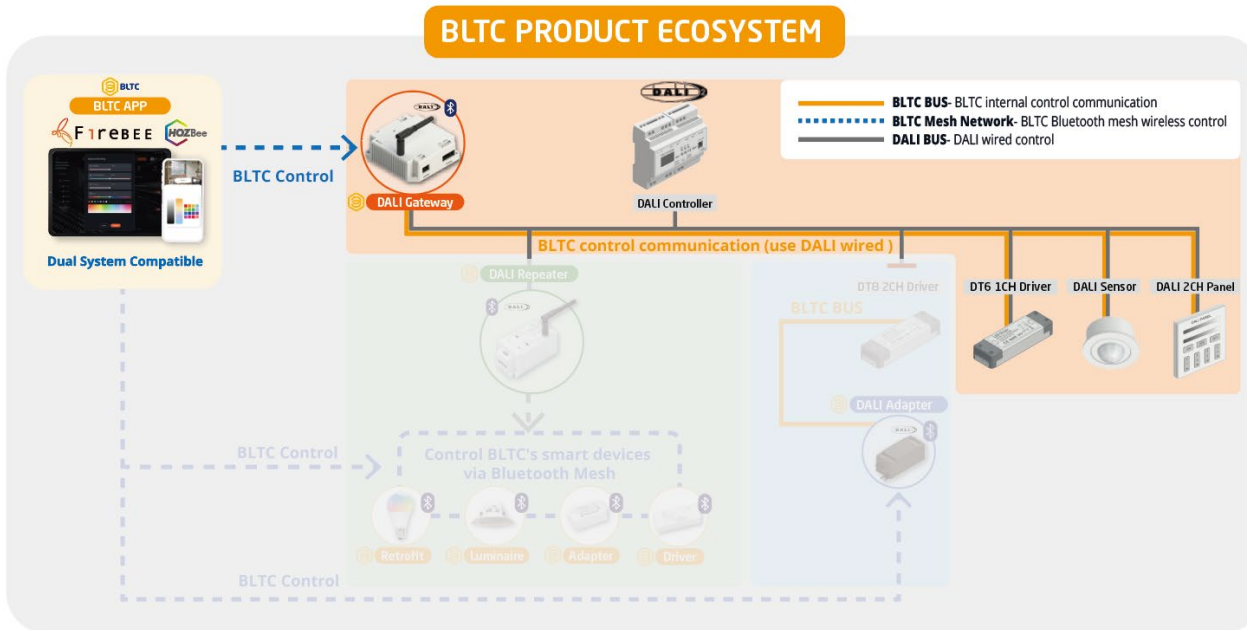


# DALI Gateway

UNDER DEVELOPMENT

## Feature:

- The Device is a gateway specifically designed for organizing Bluetooth Mesh smart and Dali or RS485 lighting networks.
- It supports RJ45 10/100/1000M LAN connectivity for stable internet access and is capable of managing up to **250 nodes**, such as **RGB lighting fixtures** and **sensor nodes**, through the mesh network
- It also equipped with a built-in real-time clock (RTC) to ensure that network devices maintain accurate time, even during power outages.



Power	
AC Input	100 ~ 277 Vac,(50/60Hz)
AC In Plug	AC dry contact 2pin
DC Output	DC16V 250mA For DALI Bus
Power	5W
LAN Connector	RJ45 LAN Connector (Giga LAN)
RS485 Connector	2x2 Dry Contact I/O(2 Ports)
RF Antenna	RSMA_ External Antenna Port X1
DALI Connector	2x2 Dry Contact I/O(1 bus in/out)

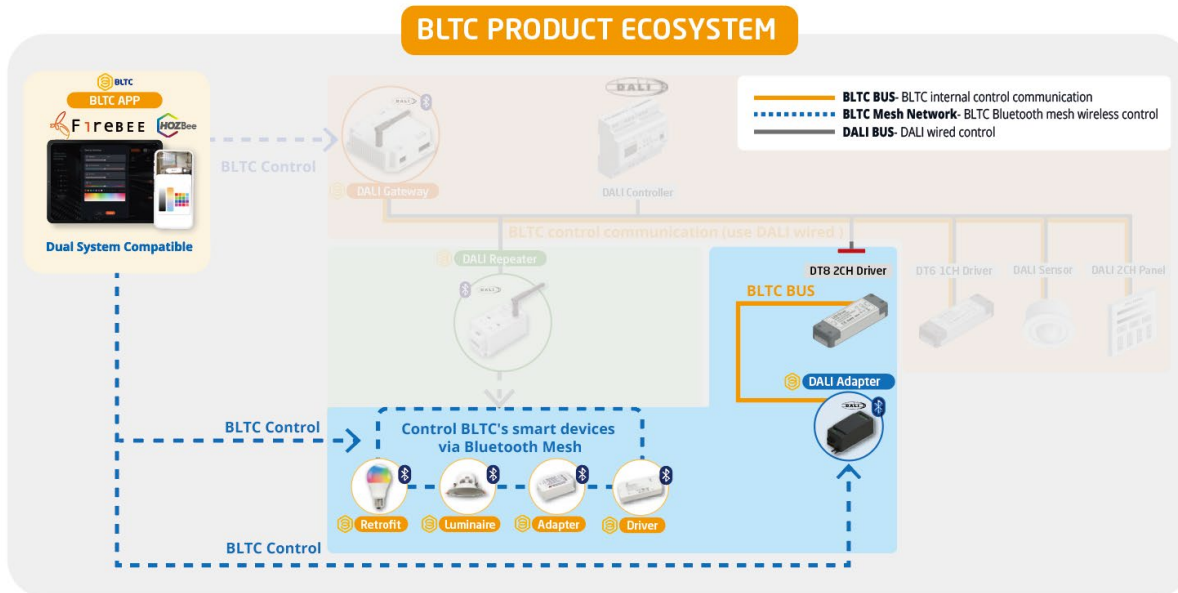


# 2-in-1 Dual Adapter ( 0-10V&DALI)

UNDER DEVELOPMENT

## Feature:

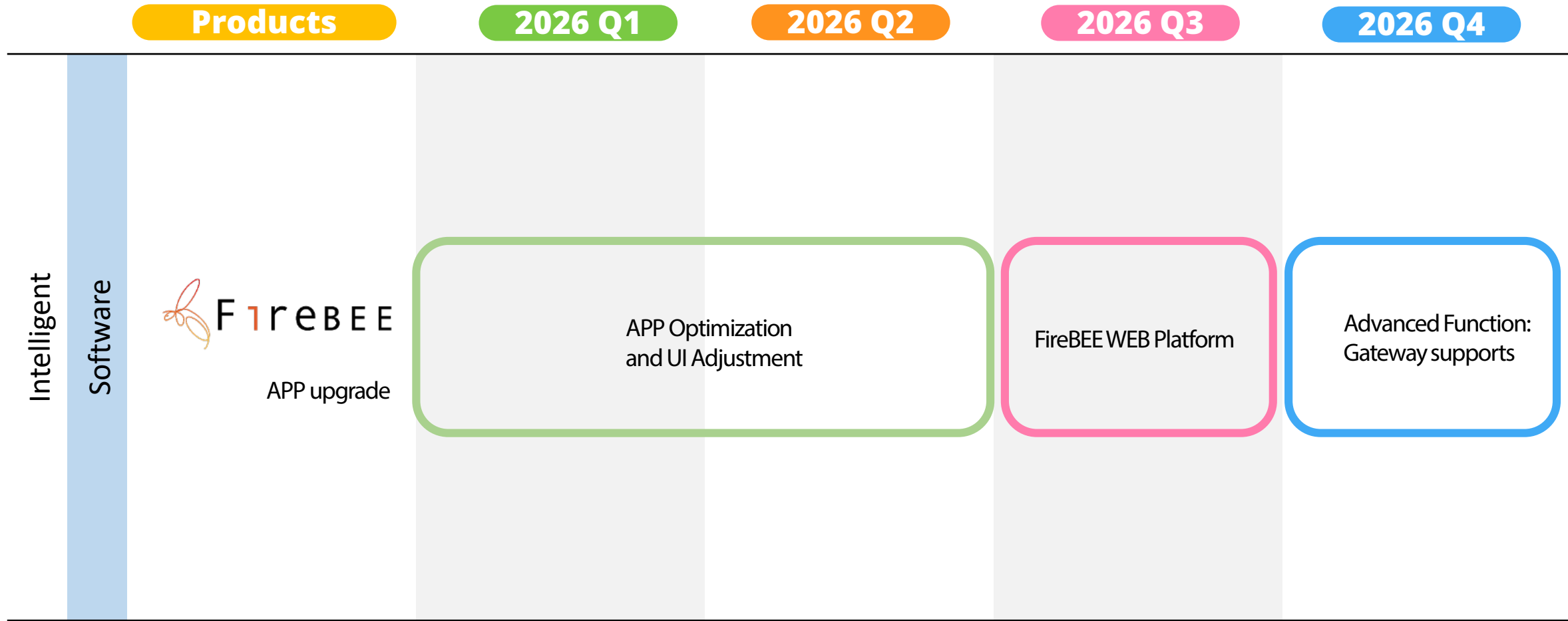
- A Bluetooth controllable, enabled 2-channel **0-10V&DALI** controller. The product can be configured to different operation modes has a universal 100-277 VAC input voltage range.
- The product can control one or two 0-10V controllable LED drivers, or work with a tunable white LED driver with two 0-10V control interfaces.
- It can also be configured into a DALI mode where it can be connected to both type of DALI LED drivers, 1CH DT6 and 2CH DT8.
- It can be controlled by Hozbee and Firebee App, which can be downloaded free from Apple App Store and Google Play Store.



Input	
Voltage range	100 ~ 277 Vac
Frequency	50/60Hz
Max mains current	35 mA
No-load standby power	<0.5W
Channel 1 output	
Output Voltage, 0-10V	0-10VDC, max. 7mA (sinking)
Output Voltage, DALI	12 VDC, max. 20mA (sourcing)
Maximum number of driver	1 or multiple drivers (0-10V only)
Channel 2 output	
Output Voltage, 0-10V	0-10VDC, max. 7mA (sinking)
Output Voltage, relay control	12 VDC, max. 100mA (sourcing)
Maximum number of driver	1 or multiple drivers (0-10V only)



# BLTC 2025 Intelligent Products Roadmap





# *Roadmap*

**ELITE**



# BLTC 2026 Elite Products Roadmap

## New Products

## 2026 Q1, Q2

## 2026 Q3, Q4

Elite



SPARK  
MR11



SPARK  
BR30/BR40



SPARK  
PAR16



SPARK  
MR16s



SPARK  
PAR30/PAR38



SPARK  
GX53



Slim  
PAR8/JDR25  
GU10/E11



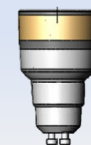
Slim  
PAR9/JDR30  
GU10/E11



Slim  
PAR11/JDR35  
GU10/E11



TriTune JDR35 E11



TriTune PAR11 GU10



TriTune JDR50 E11



TriTune PAR16 GU10



Slim  
PAR8/ GU10



Slim  
PAR9/GU10



Slim  
PAR11/GU10





# Specifications of Elite Products

(New Release / Under Develop)



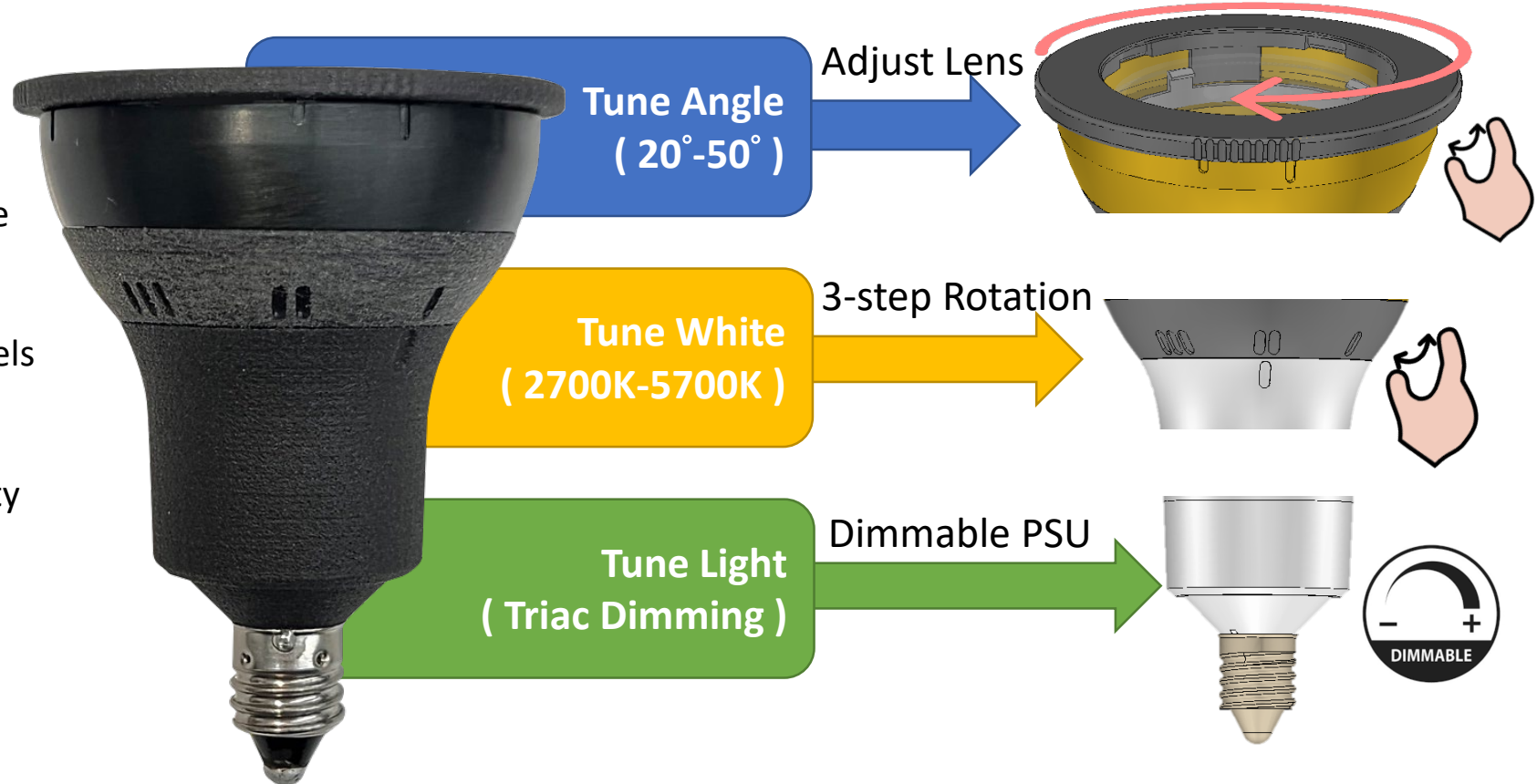
Lamp	Base	Input Vol.	Beam	Lumen	Feature
TriTune JDR35	E11	100V	20° ~ 60°	400 lm	Tune Beam Angle Tune White Color Tune Brightness
TriTune JDR50	E11	100V		500 lm	
TriTune PAR11	GU10	120/240V		400 lm	
TriTune PAR16	Gu10	120/240V		500 lm	
PAR8 / JDR25	GU10/E11	100/120V	40°/60°	300lm	Dimmable
PAR9 / JDR30					
PAR11 / JDR35					
MR11	GU4.0	12V	10°/20°/40°	350lm	
MR16	GU5.3	12V	8°/10°/20°	350lm	
JDR50	E11	100V	40°/60°	500lm	
PAR16	GU10	120/240V	120°	650lm	
PAR30	E26	100-120V	40°/60°	800lm	
PAR38				1000lm	
BR30			>100°	800lm	
BR40			>100°	1000lm	
GX53	GX53	100-120V	>120°	500lm	DIM TO WARM BRIGHT TO DIM NFC TURE WHITE 3STEP TUNABLE WHITE
GX53				700lm	
GX53				1100lm	



# Overview of BLTC TriTune Range

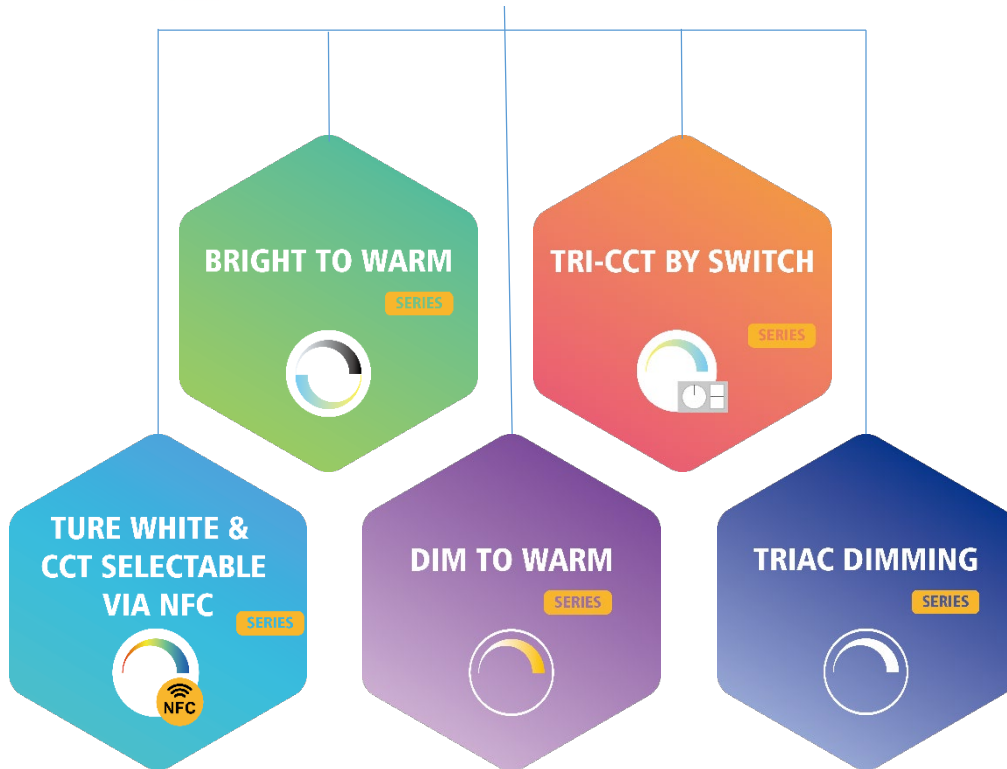
## Feature:

- **One Lamp. Three Adjustments.** TriTune Series combines beam angle, color temperature, and dimming control into one versatile LED lamp—designed for flexible lighting applications without complex systems.
- Manually adjustable beam angle 20°–50°
- Three adjustable white light levels 2700K / 4000K / 5700K
- High Triac dimming Compatibility
- Tool-free, intuitive operation
- Reduces SKU and inventory complexity





# Overview of BLTC Spark Range



## Feature:

- **Versatile Options:** 5 functions can be used by specific SPARK lamp series. (PS. Selects one of 5 functions works for spark models, not supports multiple functions in once)
  1. TRUE White & CCT Selectable Via NFC
  2. Dim to Warm
  3. TRIAC Dimming
  4. Bright to Warm
  5. Tri-CCT by Switch
- **Customizable Features:** Chooses the combination of lamp type and function that best suits your application.
- **Flexible Control:** Supports various control methods including NFC programming, TRIAC dimming, and 3step switch dimming
- **Enhanced Lighting Experience:** Options like Dim to Warm and Bright to Warm deliver dynamic ambiance adjustments for residential and commercial spaces.



# TRUE White & CCT Selectable Via NFC

**NEW**

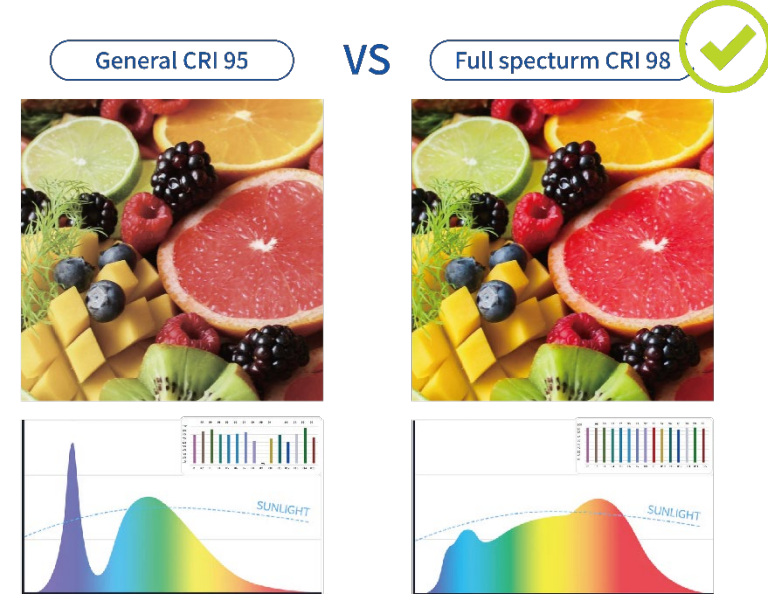
**TURE WHITE & CCT SELECTABLE VIA NFC**

**SERIES**



## Feature:

- Full spectrum solution
- 98 CRI typical, R1-R15 >90, high Rf and Rg values
- CCT (2700-6500K) can be determined through NFC technology via BLTC APP
- Engineered spectrum to closely match natural light
- Perfect dimming curve



This function is available for the following BLTC models:



1 Select tools "Spark" Mode in APP.



2 Set the CCT value in Spark mode and then scan via NFC.





# Bright to Warm

**NEW**



## Feature:

- Full range dim-warm product
- Full power range for Neutral White (5000K)
- 80-90% power range for Warm White (3000K)
- Below 80% power range for 3000K to 2200K



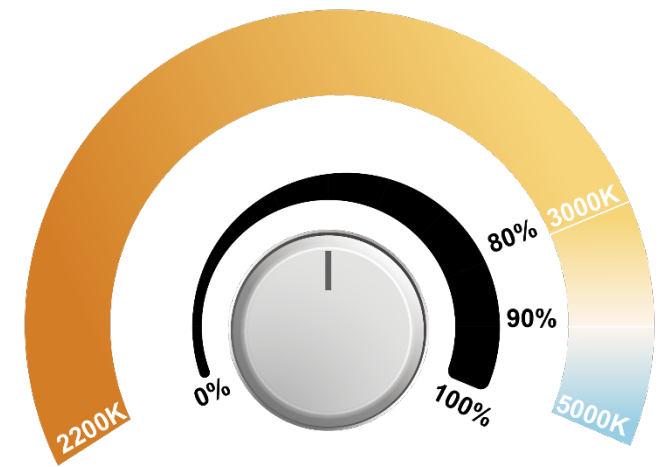
This function is available for the following BLTC models:



**GX53**    **PAR30**



**PAR38**    **BR30**    **BR40**





# Dim to Warm

NEW



## Feature:

- Perfect dimming curve
- Offer possibility of creating warm-dim scene
- 1800 – 3000K CCT range



This function is available for the following BLTC models:



GX53



A11



JDR50



PAR30



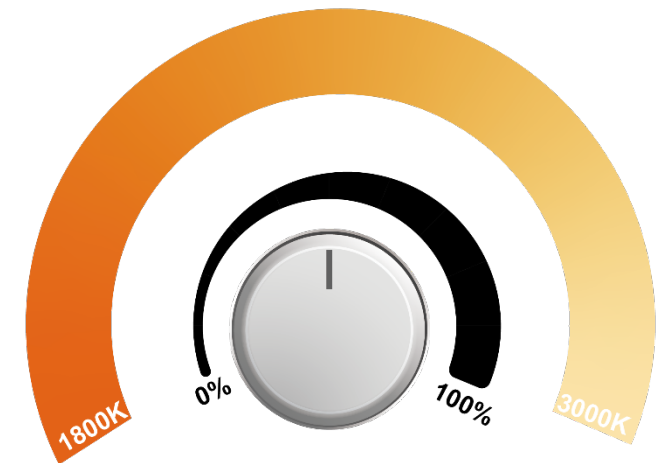
PAR38



BR30



BR40



1800K

3000K



# Tri-CCT by Switch

NEW



## Feature:

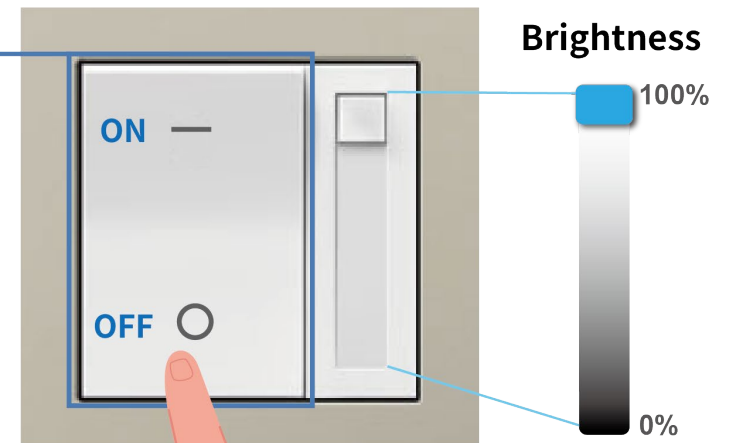
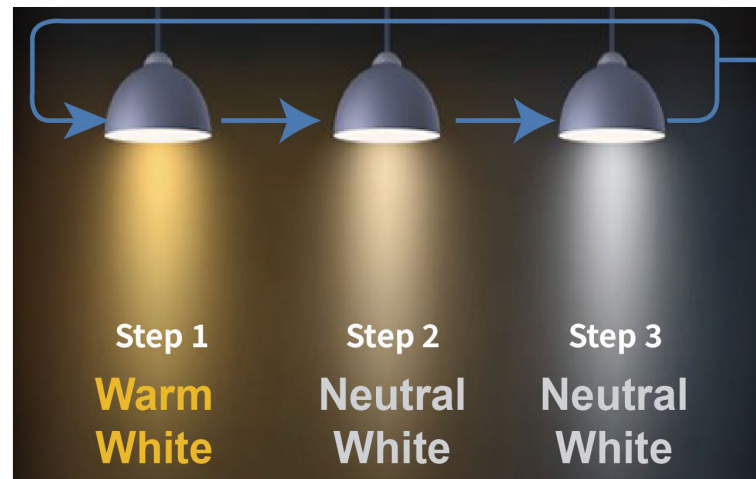
- Perfect dimming curve
- Wall switch to select 2700/4000/5000K
- Best lumen output
- >90 CRI



This function is available for the following BLTC models:



## Power Cycle





# TRIAC Dimming

NEW



## Feature:

- Perfect Dimmer Compatibility
- Smooth dimming
- No flicker
- No noise

This function is available for the following BLTC models:



GX53



MR16/11



JDR50



A11



PAR30



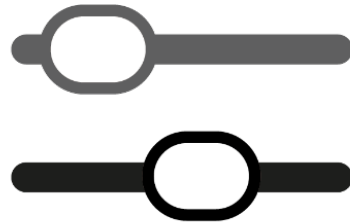
PAR38



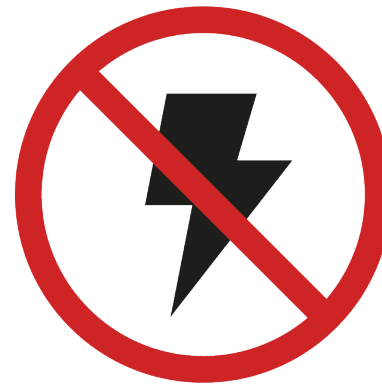
BR30



BR40



Smooth Dimming



No Flicker



No Noise



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**THANK YOU**