

2023 PRODUCT CATALOGUE

Europe Version





BLTC
BEAUTIFUL LIGHT
TECHNOLOGY CORP



QUALITY ASSURANCE

We believe that quality is accumulated by many subtle details in the value chain. Therefore, we put a lot of efforts to improve every aspects in our daily operations. In the past years, we continue to provide our customers better quality products, become the most trusted partner for our customers and stand firmly the leading position in the industry.

INNOVATION

By means of the professional knowledge and experience in development of electronics, power supply, mechanical structure, heat dissipation, optics and software / firmware, we can meet our customers' needs and create the products to help the consumers to enjoy a safe and comfortable atmosphere in their work and lives.

GLOBAL OPERATIONS

● TAIPEI

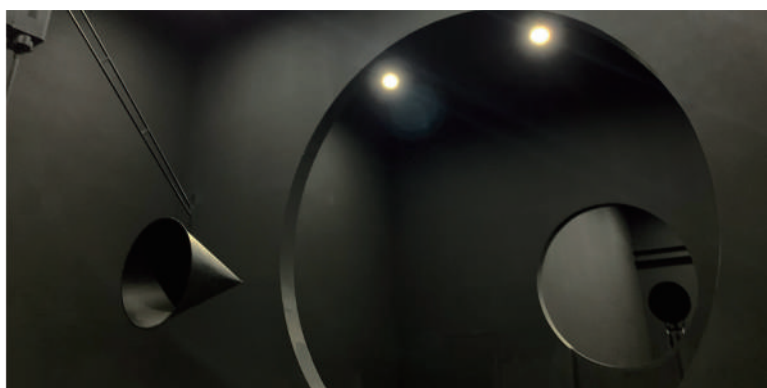
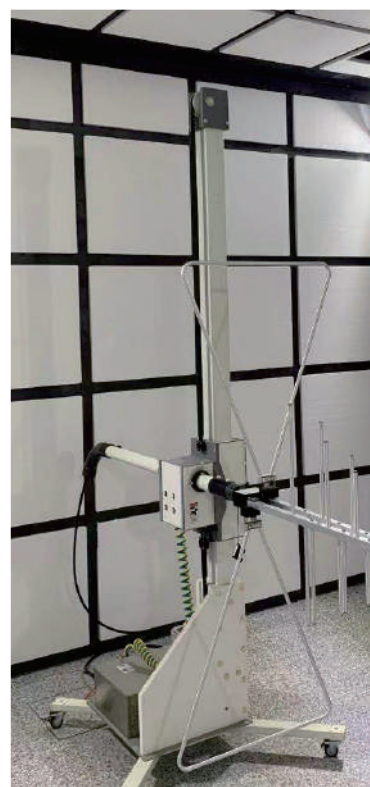
BNC Network(About 15 staffs)
IOT, Wireless Module, related develops

● CHIAYI

Headquarter/Machouhou Factory(About 300 staffs)
Global Operation, R&D, M & S, Production

● DONGGUAN

Dongguan Factory (About 300 staffs)
R&D, Production



1

Smart Lighting

Quick installation,
Home Security,
Smart Sensor System.

Smart Products / Controllor
Sensor / Expansion Device
Smart Lamp & Fixture

2

Commercial Lighting

Superior spec,
Unique lighting application,
Design for commercial

MR Lamps / G Lamps
PAR Lamps / R Lamps
BR Lamps / A Lamps
PL Lamps

3

Residential Lighting

Essential lamps,
Economical and General
Lighting series.

MR Lamps / A Lamps
G Lamps / B Lamps
Filament

4








Annex

Principles of Ordering,
Important Notice
OCT-CRI Formula




Principles of Ordering
Annex

Smart Lighting



Module

Page	Name	Product	Page	Name	Product
P.01	Wi-Fi IP Camera+Gateway		P.01	Wi-Fi IP Camera+Gateway	
P.01	BM021		P.01	BM026	
P.01	BM023		P.01	BM027	
P.01	BM029				

APP

Page	Name	Product	Page	Name	Product
P.02	BT Light		P.02	Ebee	
P.03	FireBEE				

IP Camera Lamp

Page	Name	Product	Page	Name	Product
P.07	IP Camera A80		P.08	IP Camera Downlight	

Control

Page	Name	Product	Page	Name	Product
P.09	Switch Type Controller		P.09	19-Key Remote Controller	
P.09	Voice Controller				

Smart Lighting




Expansion (Sensor)

Page	Name	Product	Page	Name	Product
P.10	PIR & Light Sensor		P.10	PIR & Light Sensor 0-10V adapter	
P.10	Microwave Sensor 0-10 adapter				

Expansion (Repeater)

Page	Name	Product	Page	Name	Product
P.11	Indoor Repeater		P.11	Outdoor Repeater	
P.12	Dali Repeater				


Expansion (Gateway)

Page	Name	Product	Page	Name	Product
P.13	GATEWAY Desk Type / Ceiling Type		P.13	GATEWAY Wire Type	
P.13	GATEWAY Touch Pannel				

Expansion (Adapter)

Page	Name	Product	Page	Name	Product
P.14	0-10V 4 Channel Adapter		P.14	12V Outdoor Relay	
P.14	0-10V Dimmable & Tunable Adapter		P.15	LED Stripe Adapter 1-5 CH 12V/24V 2A/CH	
P.15	LED Stripe Adapter 1-5 CH 12V/24V 10A/CH				

Expansion (Driver)





Page	Name	Product	Page	Name	Product
P.16	BT Driver				

Smart Lighting



Lamps

Page	Name	Product	Page	Name	Product
P.17	BT G4 10W Halogen Equivalent		P.17	BT MR16 35W Halogen Equivalent	
P.17	BT PAR16 35W Halogen Equivalent		P.18	BT AR111 100W Halogen Equivalent	
P.18	BT PAR36 80W Halogen Equivalent		P.18	BT ES111 100W Halogen Equivalent	
P.19	BT A60 60W Incandescent Equivalent		P.19	BT A70 80W Incandescent Equivalent	
P.19	BT G45 30W Incandescent Equivalent		P.20	BT B35 35W Incandescent Equivalent	
P.20	BT BR30 60W Incandescent Equivalent		P.20	BT BR40 80W Incandescent Equivalent	
P.21	BT PAR38 60W Halogen Equivalent		P.21	BT GX53 75mm 13W CFL Equivalent	
P.21	BT GX53 90mm18W/26W CFL Equivalent				

Filament lamp series









Page	Name	Product	Page	Name	Product
P.22	BT Filament A60		P.22	BT Filament ST64	
P.22	BT Filament G95		P.22	BT Filament B35	

Fixture Series



Page	Name	Product	Page	Name	Product
P.23	BT Downlight Adjustable		P.23	BT Downlight 9cm	
P.23	BT Downlight 15cm		P.24	BT T5 Batten	
P.24	BT Step Light				

Commercial Lighting

MR Lamps

Page	Name	Product	Page	Name	Product
P.26	MR11 20W Halogen Equivalent		P.26	MR11 35W Halogen Equivalent	
P.26	MR16 50W Halogen Equivalent (Dimming Version)		P.27	MR16 COB 50W Halogen Equivalent	
P.27	MR16 3LED/6LED 20W/35W Halogen Equivalent		P.28	MR16 6LED 35W Halogen Equivalent	
P.28	MR16 8LED 50W Halogen Equivalent		P.29	MR16 COB 50W Halogen Equivalent	

G4 Lamps

Page	Name	Product	Page	Name	Product
P.29	Side Bi-Pin G4 3LED 20W Halogen Equivalent		P.29	Side Bi-Pin G4 4LED 40W Halogen Equivalent	
P.30	G4 Lamp 10W Halogen Equivalent		P.30	G4 Lamp 30W Halogen Equivalent	

G9 Lamps



Page	Name	Product	Page	Name	Product
P.30	G9 Lamp 30W/50W Halogen Equivalent				

Commercial Lighting


PAR Lamps

Page	Name	Product	Page	Name	Product
P.31	PAR16 GU10 3LED 20W Halogen Equivalent		P.31	PAR16 GU10 6LED 35W Halogen Equivalent	
P.31	PAR16 GU10 8LED 50W Halogen Equivalent		P.32	PAR16 GU10 COB 50W Halogen Equivalent	
P.32	PAR16 GU10 DIM TO WARM 35W Halogen Equivalent		P.32	PAR16 GU10 50W Halogen Equivalent	
P.33	PAR16 GU10 75W Halogen Equivalent		P.33	PAR16 GU10 20W Metal Halide Equivalent	
P.34	PAR20 20W/35W Metal Halide Equivalent		P.34	PAR30 IP65 135W Equivalent	
P.34	PAR30 70W Metal Halide Equivalent		P.35	PAR38 IP65 250W Equivalent	
P.35	PAR38 75W Metal Halide Equivalent		P.35	ES111 100W/125W Halogen Equivalent	

AR Lamps

Page	Name	Product	Page	Name	Product
P.36	AR70 50W Halogen Equivalent		P.36	AR111 100W/125W Halogen Equivalent	

A Lamps


Page	Name	Product	Page	Name	Product
P.37	Low Voltage A60 60W Equivalent		P.37	A11 40W Equivalent	

Commercial Lighting

Special Lighting


Page	Name	Product	Page	Name	Product
P.38	PLC 13W/18W/26W Equivalent		P.39	R86 Pool & Spa Lamp	
P.39	BR40 Pool & Spa Lamp				

Fixture




Page	Name	Product
P.40	Step Light	

Residential Lighting









MR Lamps

Page	Name	Product
P.41	MR16 COB LIKE 20/35/50W Halogen Equivalent	



PAR Lamps

Page	Name	Product	Page	Name	Product
P.42	PAR16 GU10 50W Halogen Equivalent		P.42	PAR16 GU10 50W Halogen Equivalent	
P.42	PAR16 GU10 75W Halogen Equivalen				

A Lamps

Page	Name	Product	Page	Name	Product
P.43	A60 40W Incandescent Equivalent		P.43	A60 60W Incandescent Equivalent	
P.43	A60 80W Incandescent Equivalent		P.44	A65 100W Incandescent Equivalent	
P.45	Anti-insect LED Bulb Incandescent Equivalent		P.45	A19 3-Step Dimming 60/100W Incandescent Equivalent	
P.46	A19 Auto Dimming 60W Incandescent Equivalent		P.46	A19 CCT Change 60W/75W Incandescent Equivalent	

Candle light series

Page	Name	Product	Page	Name	Product
P.44	B35 25W/40W Incandescent Equivalent		P.44	CA35 25W/40W Incandescent Equivalent	

General Residential Lighting

Filament lamp series

Page	Name	Product	Page	Name	Product
P.48	A60 Filament Lamp Series 280lm/500lm/800lm		P.48	G95 Filament Lamp Series 280lm/500lm/800lm	
P.48	ST64 Filament Lamp Series 280lm/500lm/800lm		P.48	CA35 Filament Lamp Series 280lm/500lm	
P.49	B35 Filament Lamp Series 280lm/500lm				

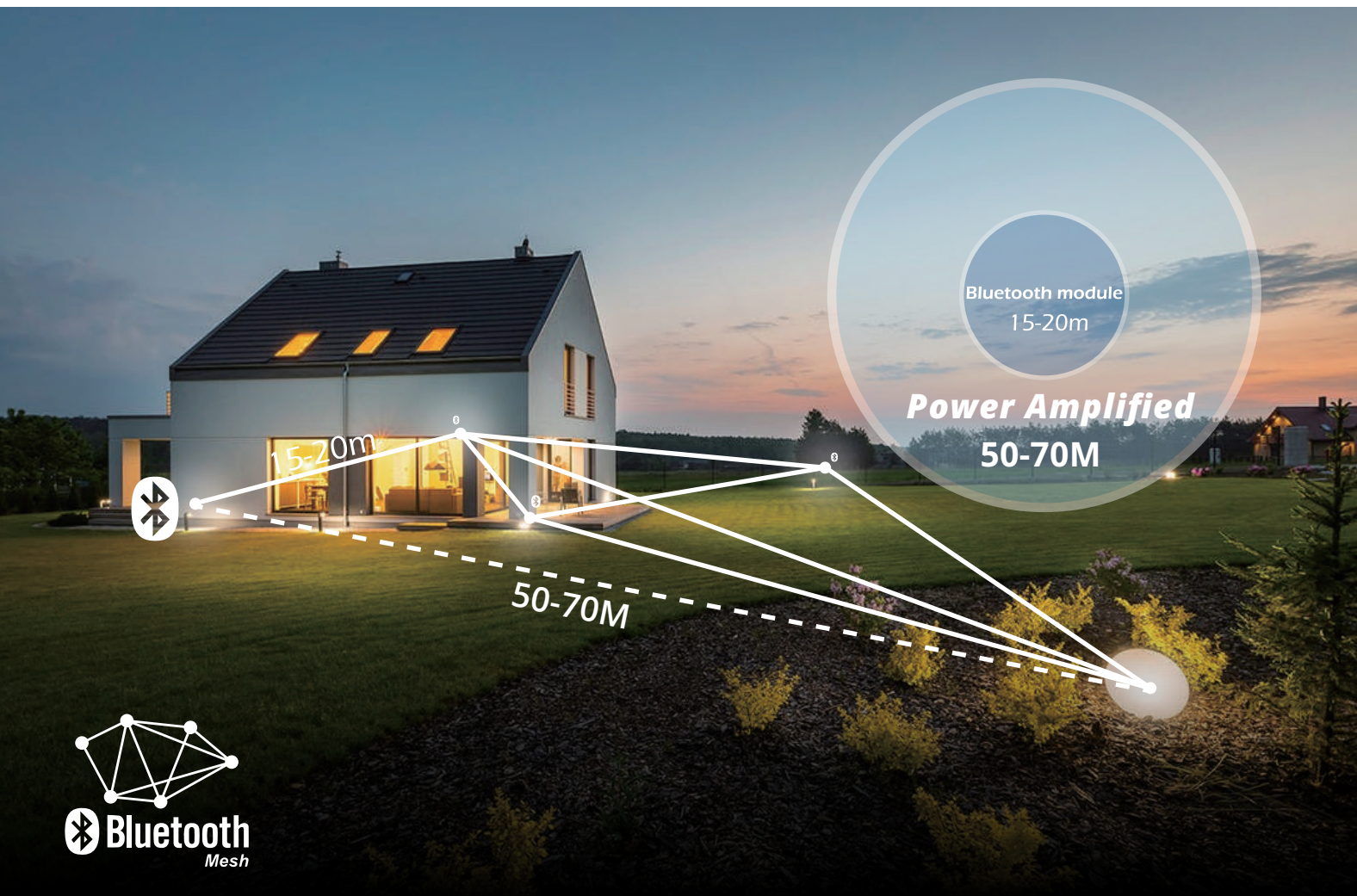




Smart Lighting

Quick installation,
Home Security,
Smart Sensor System.

Module



Camera Module



Wi-Fi IP Camera + Gateway

Bluetooth module Home /light fixture Short Range : 15-20M



BM021

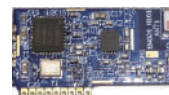


BM023



BM029

PA Modules Sealed/High isolation Long Range : 50-70M



BM026



BM027

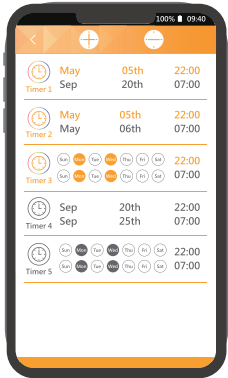
Smart Lighting

BT LIGHT APP

Local control suits for living room, studio, kitchen, small shop, etc., max 128 devices controllable.

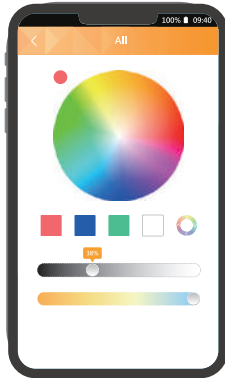
GET IT ON
Google Play

Download on the
App Store



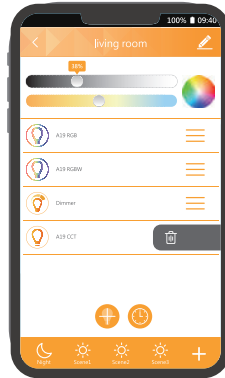
Schedules

Make schedule to control lamps in home, Save the power, Turn on & off lights schedule!



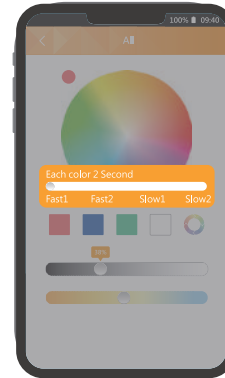
Colors

Changing color by smart phone or Pad with wasy installation, through changing the lighting atmosphere by your finger!



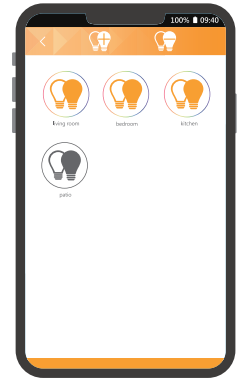
Scenes

Save proper colors in each moment, recall it easy and conveniently.



Party

Auto-Color Change allows 4 display modes, enjoy the fun time with colorful ambiance.



Groups

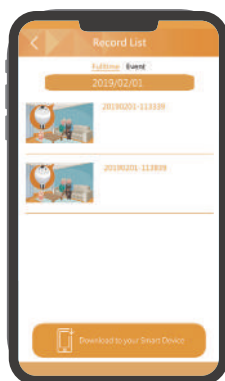
Choose lamps as groups and Name them, such as living room, kitchen...Smart and Quickcontrol each lamp at home.

EBEE APP

Remote control, suits for office, shops, classrooms, warehouses, etc., max 24 gateways and 3000 devices controllable.

GET IT ON
Google Play

Download on the
App Store

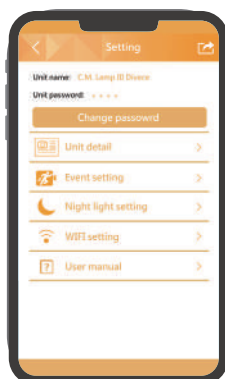
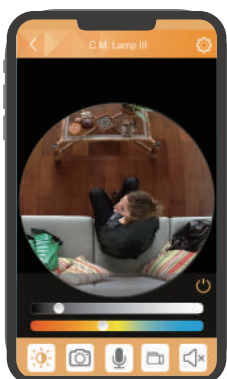


IOT Life Smart Lighting New Experience

- The latest technology to realize Wi-Fi remote control Bluetooth light
- Remote control of home lighting through smart devices
- Support for Wi-Fi and Bluetooth Mesh.

Remote monitoring and exit is easy (only IP Camera related products can support)

- Receive your home life from the far end via your smart device (mobile/tablet).



Smart lighting new experience

- It can be connected with the Bluetooth device series to create a smart lighting home environment.
- Supports LED dimming, grouping, time setting, and ambient lighting.

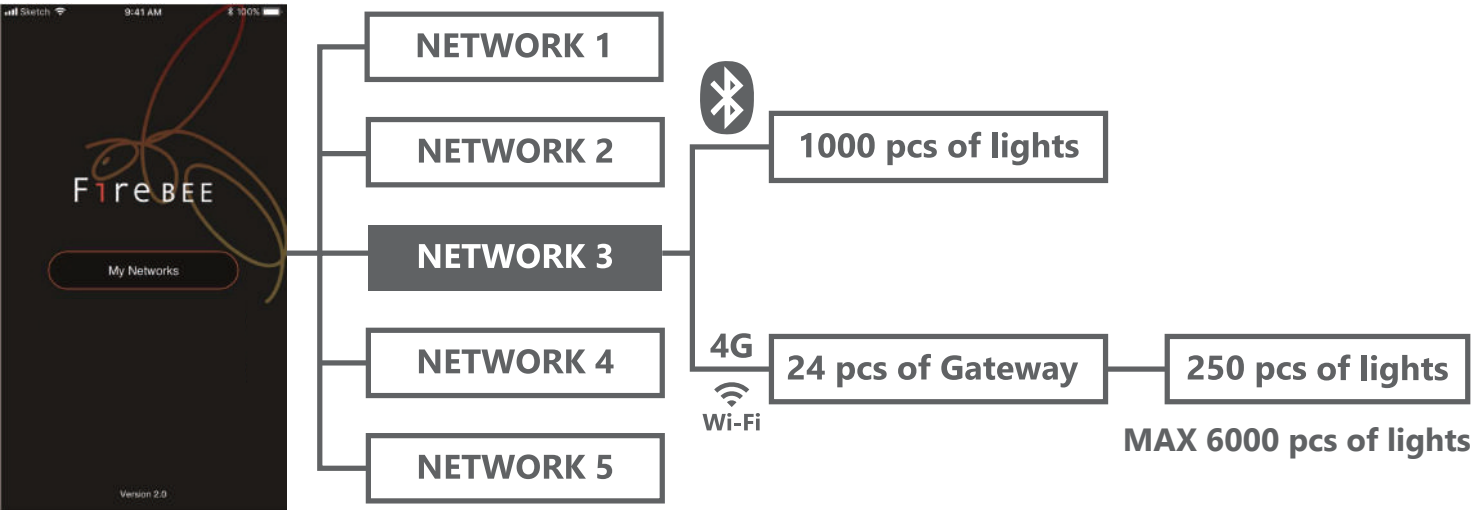
Smart Lighting

FIREBEE APP

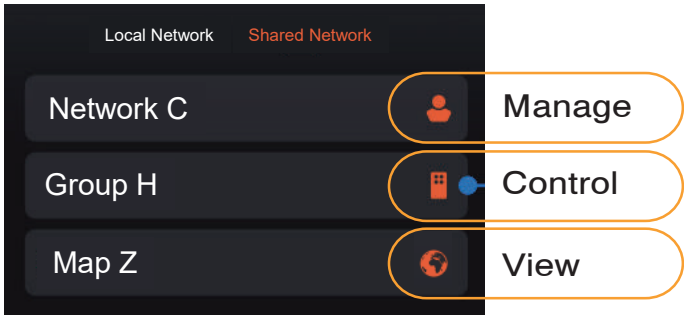
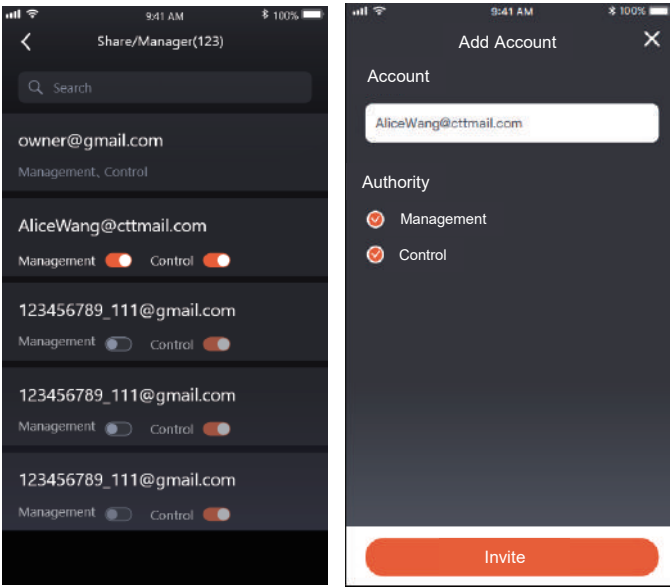
Local and remote control suits for lighting management of large building, multiple locations, shopping malls, factories, hospitals, etc.



Proximal control & Remote control



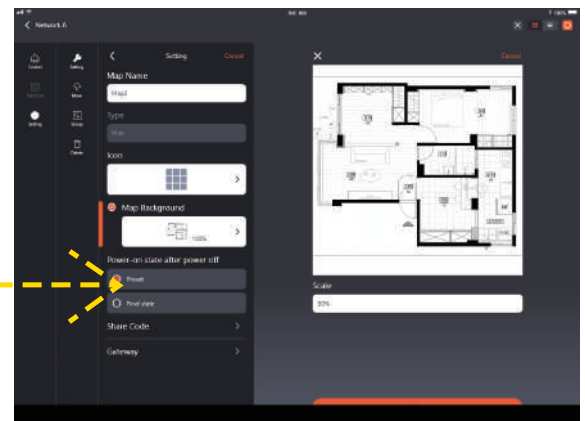
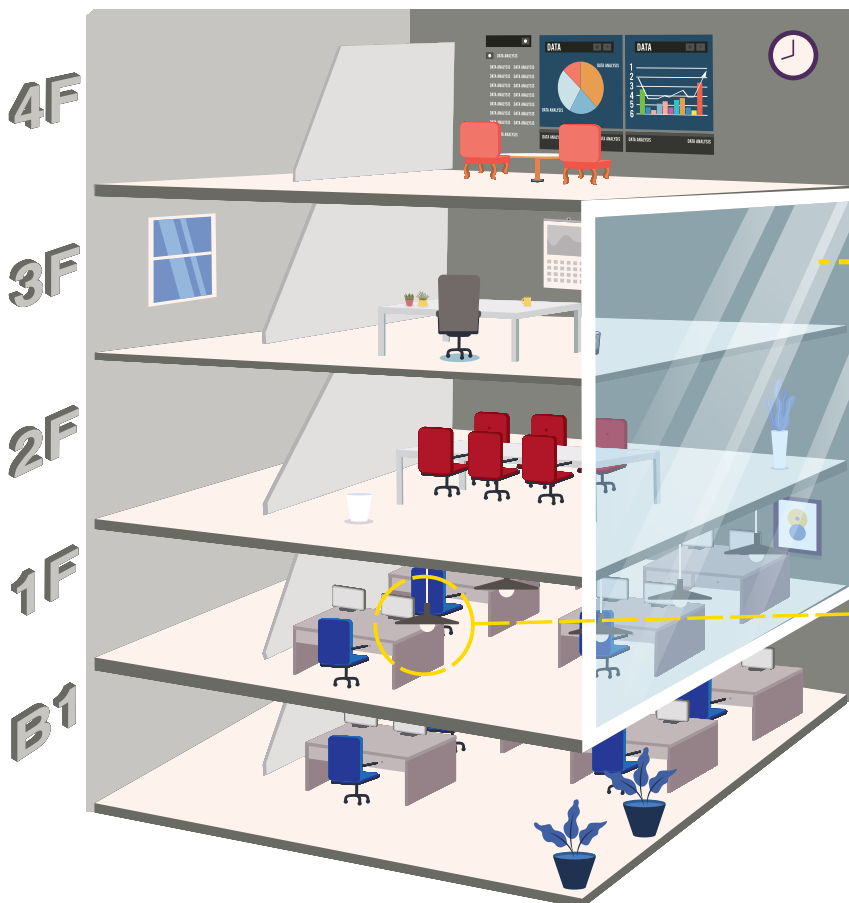
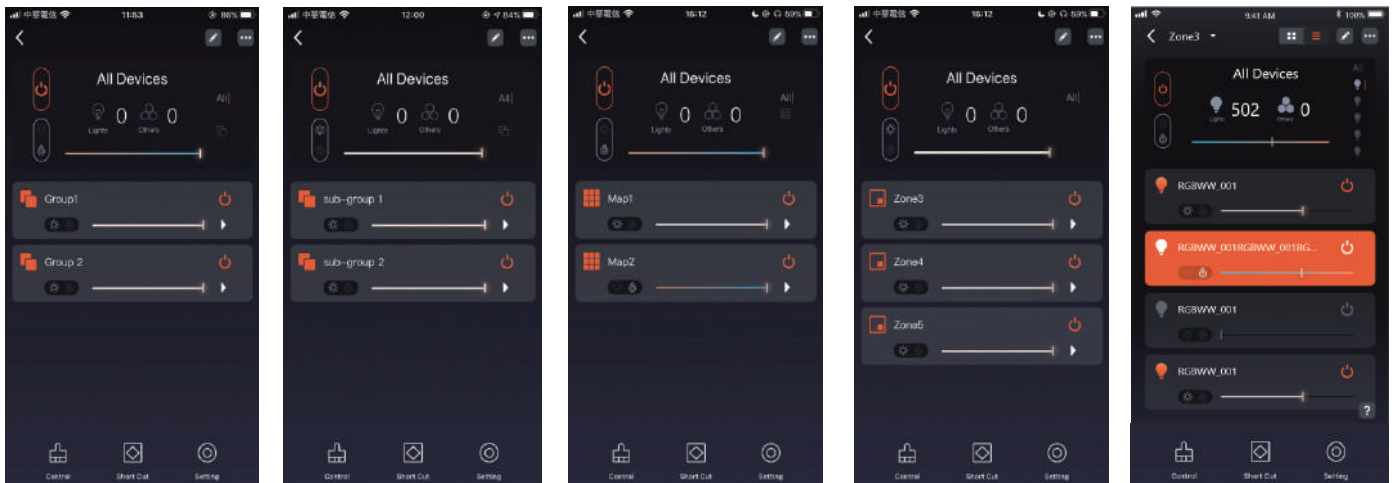
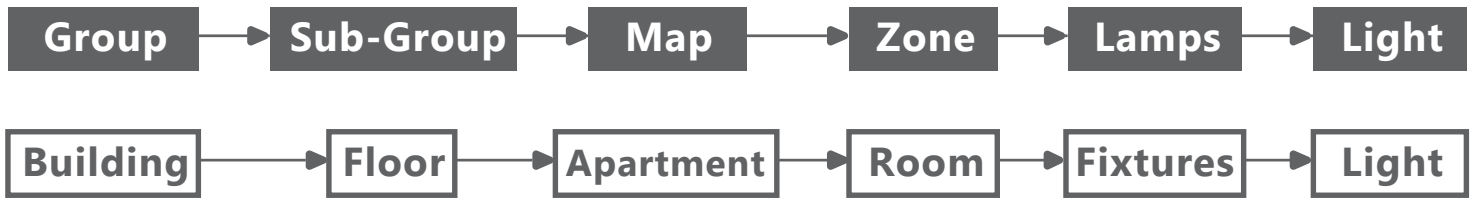
Multi-user



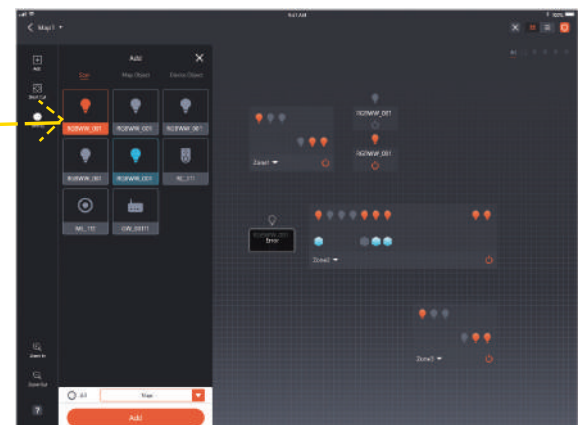
Control multi-user's permission.(Control/Manage)

Network/Group/Map can be shared to the certain user.

Floor Map Management



Upload the building pictures per the map to arrange the lights

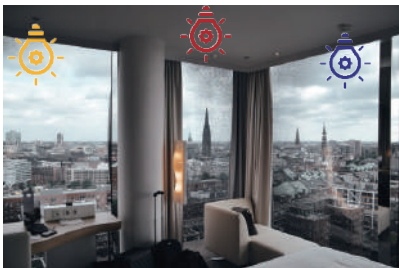
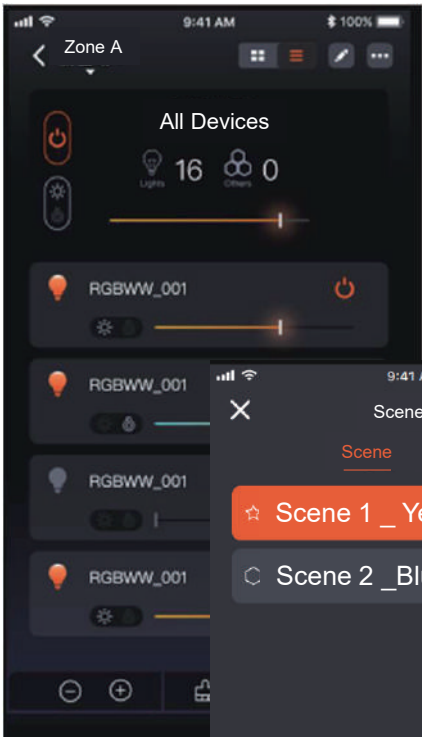
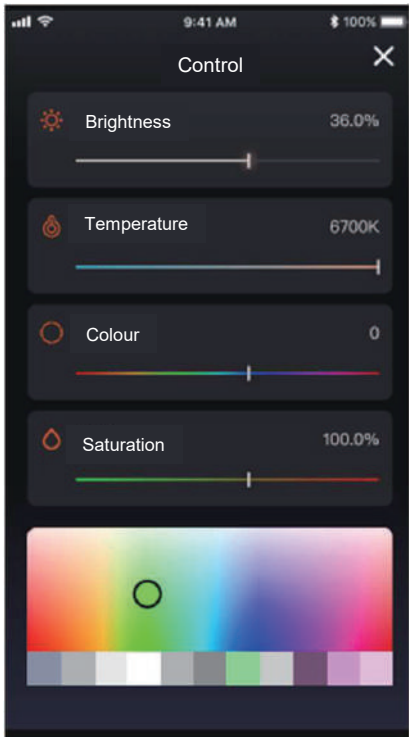


Use widgets to complete your map settings

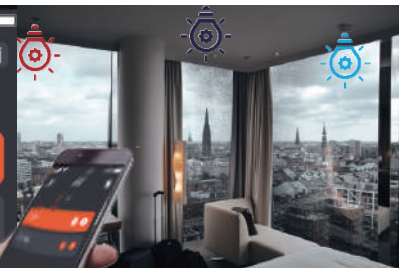
Smart Lighting

Scenes

Set and picture the scene. (186 Scene/per map)



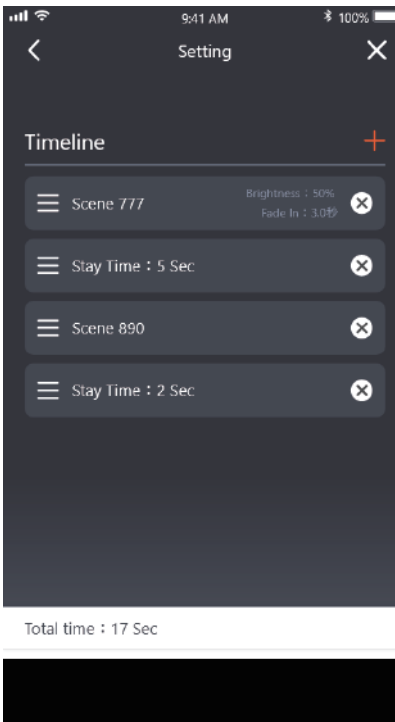
Scene 1



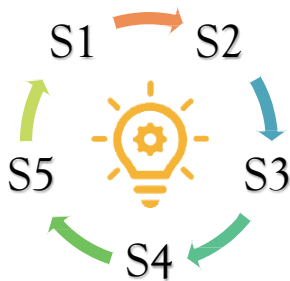
Scene 2

Dynamic scenes

Set timeline. (250 time slots/per map)



Done the Dynamic scenes setting.

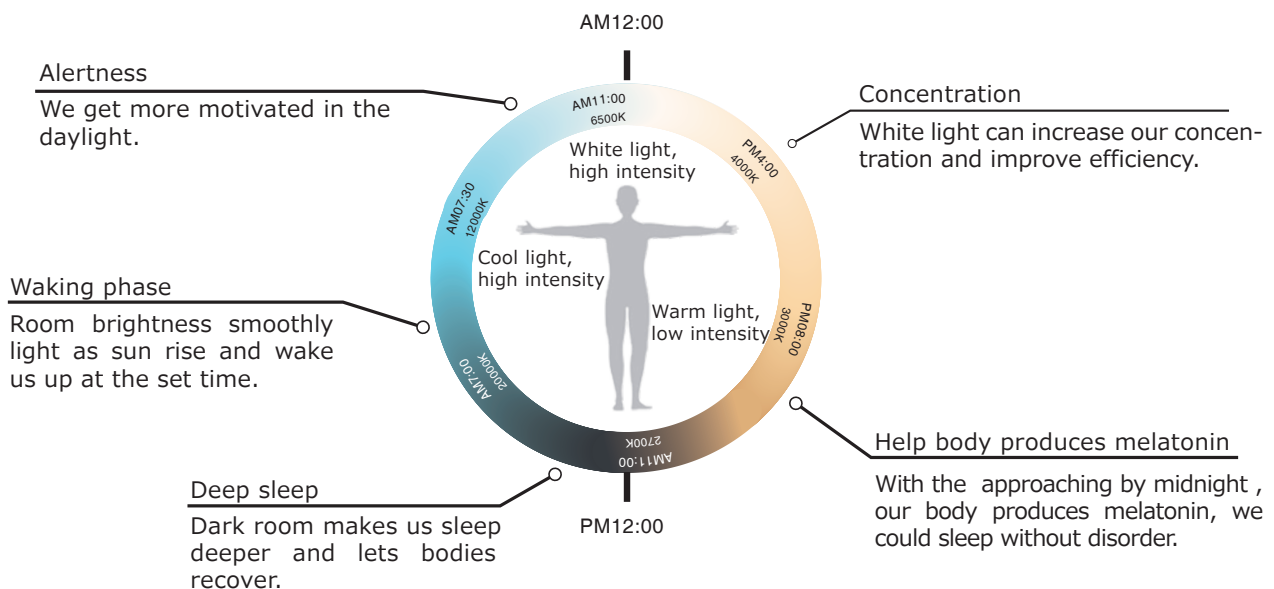


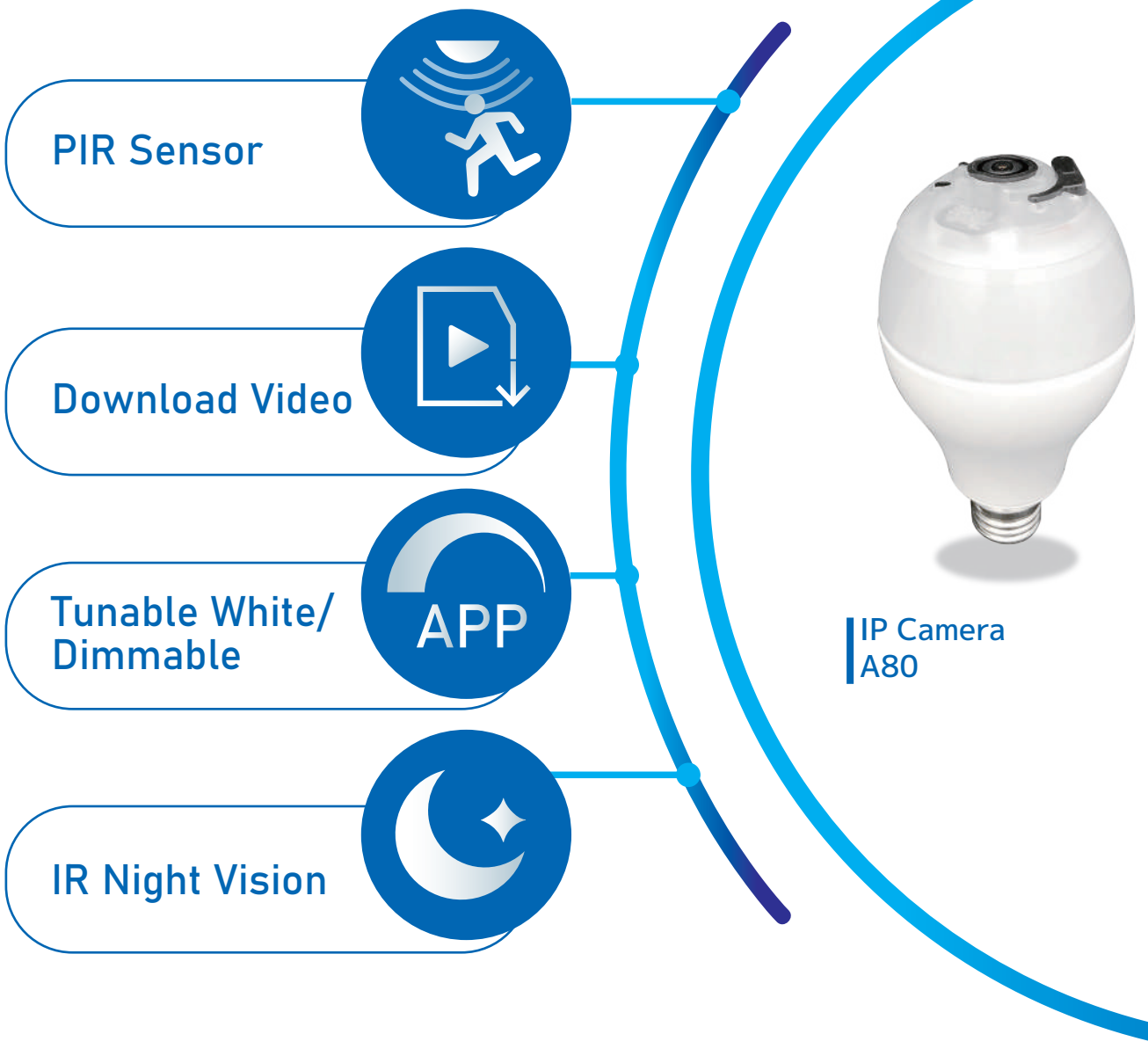


Human Centric Lighting is the solution to create the lighting that mimics the natural daylight. Our HCL system not only simulates the natural daylight that we have been familiar with since our ancient ancestors, but furthermore create more values to our daily life by its different lighting profiles.

Human Centric Lighting

After million-year evolution, the human body functions have been shaped and driven by the daylight, such as our vision and biological rhythm. The invention of artificial lighting though enhances our productivity by providing a homogeneous lighting condition, it also affects our health by pulling us out of the normal track of sunlight.

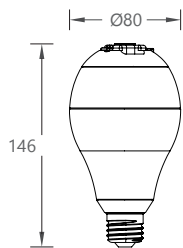




IP Camera A80



Part Number	Voltage	Power	Total Flux	Beam Angle	Candela (CBCP)	Power Factor
BLV8027P25-02765W3602HM	100-240V	16W	1080 lm	215°	105	>0.9

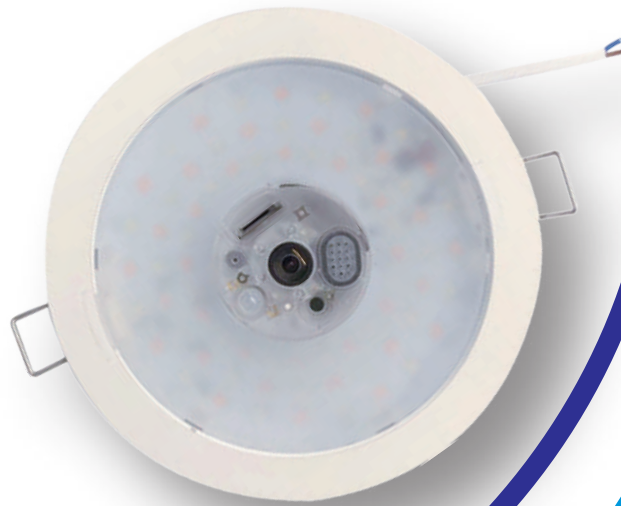


Base Type: E26





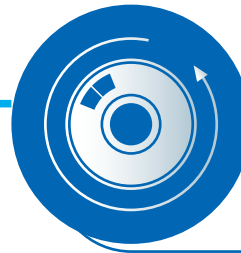
IP Camera Downlight



Light sensor



External
Micro SD Card

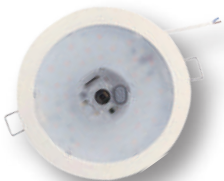


360° View
Fish eyes

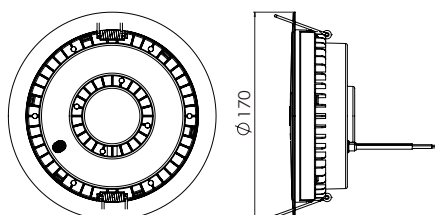


2-Way Voice

IP Camera Downlight



Part Number	Voltage	Power	Total Flux	Beam Angle	Candela (CBCP)	Power Factor
BLVXXXXXX-T2765W7202H	100-240V	15W	800 lm	108°	300	>0.7

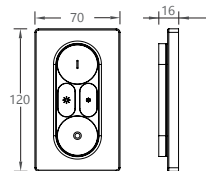


Smart Lighting

Wall Switch



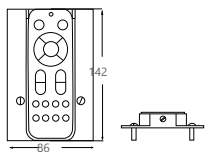
Part Number	Power Supply	Transmission Range	Operating Environment
BLI-CS-CR-BT01	3V DC Battery CR2450	15-25 M	-20°C~45°C 5~80%RH



19-Key Remote Controller



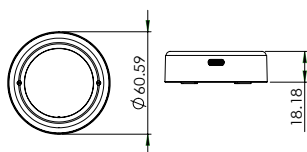
Part Number	Power Supply	Transmission Range	Operating Environment
BLI-CR-A4-BT01W	3V DC Battery AAA*2	15-25 M	-20°C~45°C 5~80%RH



Voice Controller



Part Number	Power Supply	Voice Control Range	Transmission Range
BLI-VCR-MU05-BT01	5V DC Type C	3-5 M	15-25 M



Features

- Dimming Control
- Color Tuning Control
- Scene Setting

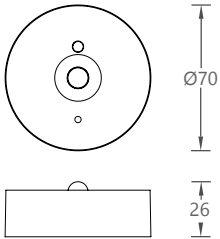


Smart Lighting

PIR & Light Sensor



Part Number	Input Voltage	Transmission Range	Sensor Range	Operating Environment
BLI-SPL-A4MU05-BT01	5VDC Mirco USB or Battery AAA*2	18-30M	4-5 M	-20°C~45°C 5~80%RH



Features

- PIR Detection
- Light Detection



PIR & Light Sensor 0-10V Adapter



Part Number	Input Voltage	Transmission Range	Sensor Range	Operating Environment
BLI-SPL-V12-BT01	12V	30-50M	4-5M	-20°C~45°C 5~80%RH

Features

- PIR Detection
- Light Detection
- 0-10V Dimming



Microwave & Light Sensor 0-10V Adapter



Part Number	Input Voltage	Transmission Range	Sensor Range	Operating Environment
BLI-SML-V12-BT01	12V	30-50M	5-10M	-20°C~45°C 5~80%RH

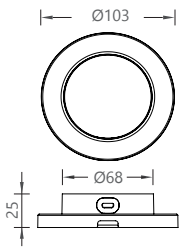
Features

- Microwave Detection
- Light Detection
- 0-10V Dimming



Smart Lighting

Indoor Repeater



Part Number

BLI-ER-MU05-BT01

Power Supply

Micro USB

Transmission Range

30-50M

Operating Environment

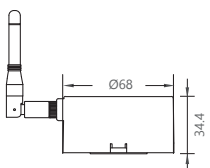
-20°C~45°C
5~80%RH

Features

- Strengthen Bluetooth signal power
- Enlarge the control area



Outdoor Repeater



Part Number

BLI-ERO-V12-BT01

Power Supply

12V
AC/DC

Transmission Range

50-70M

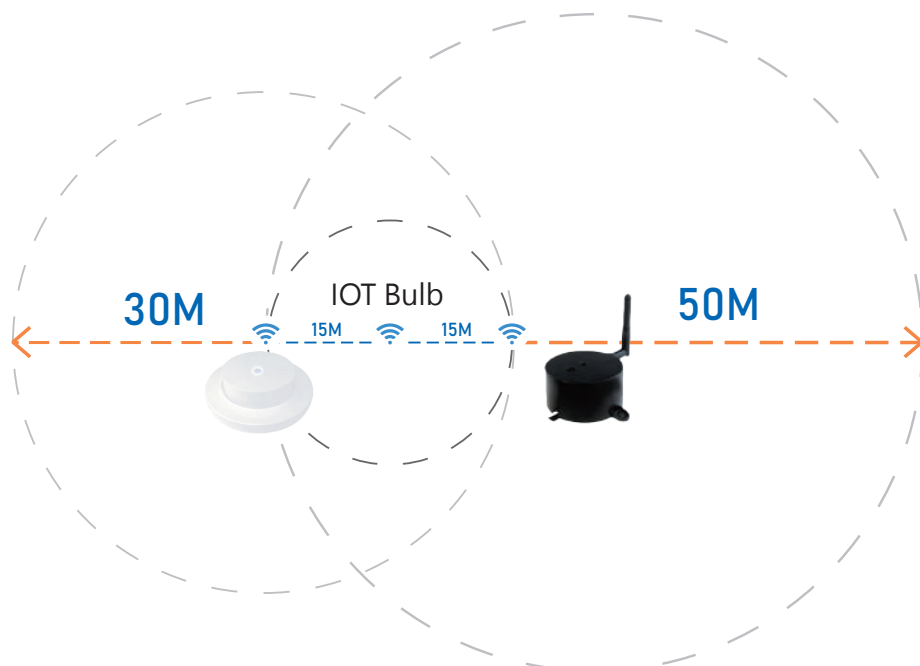
Operating Environment

-20°C~45°C
5~80%RH

Features

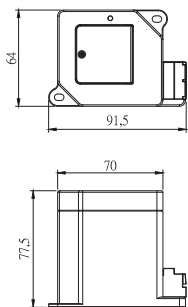
- Strengthen Bluetooth signal power
- Enlarge the control area

IP65



Smart Lighting

DALI Repeater



Part Number

BLI-DALIER-H-BT01

Power Supply

100-240V

Transmission Range

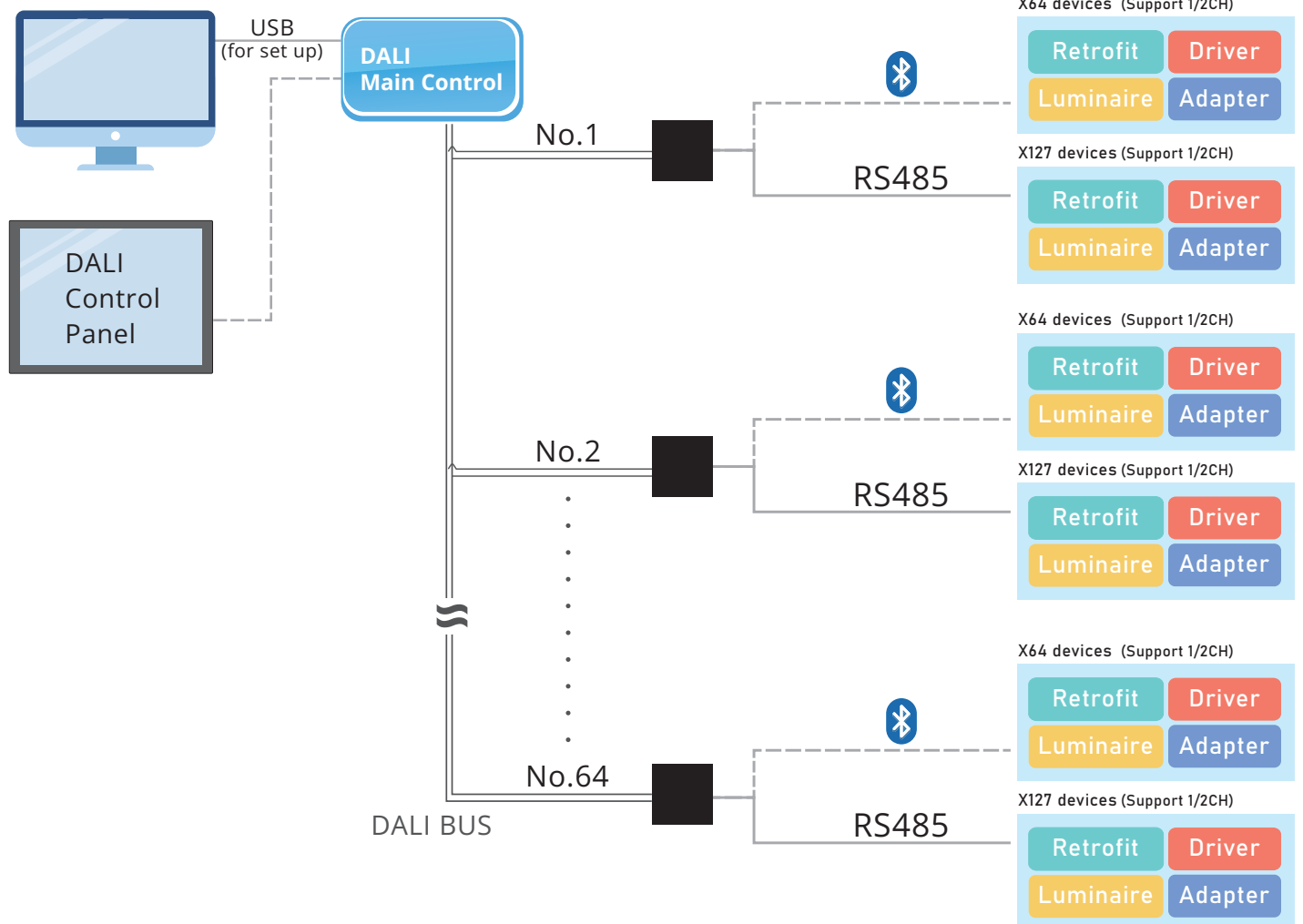
50-70M

Operating Environment

-20°C~45°C
5~80%RH

Features

- Convert DALI signal to Bluetooth signal
- Enlarge DALI control of BLTC smart lighting network



Smart Lighting

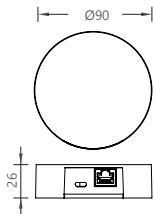
GATEWAY Desk Type /Ceiling Type



Part Number	Input Voltage	BT Range	Wifi Range	Operating Environment
BLI-GW-MU05-M01	5V DC Mirco USB	30-50M	10-15M	-20°C~45°C 5~80%RH

Features

- Bridge between Internet & Mesh Network
- Easy to install



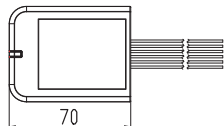
GATEWAY Wire Type



Part Number	Input Voltage	BT Range	Wifi Range	Operating Environment
BLI-GW-V12-BT01	12V AC/DC	30-50M	10-15M	-20°C~45°C 5~80%RH

Features

- Bridge between Internet & Mesh Network
- 0-10V dimming and tuning



GATEWAY Touch Panel



Part Number	Input Voltage	BT Range	Wifi Range	Operating Environment
BLI-GW-PH-BT01	100-240V	15-30M	10-15M	-20°C~45°C 5~80%RH

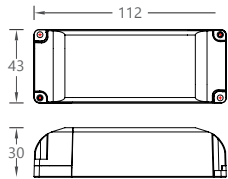
Features

- Bridge between Internet & Mesh Network
- Firebee pre-installed
- Easy to operate by touch screen



Smart Lighting

0-10V 4 Channel Adapter



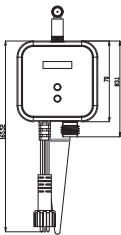
Part Number	Input Voltage	Output Voltage	Max Load	Transmission Range	Operating Environment
BLI-ET-04DC0010H-BT01	100-240V	Same as Input Voltage	4.55A	15-30M	-20°C~45°C 5~80%RH

Features

- Support 0-10V CC dimming driver, 4*ch
- Relay Function
- Connect Fixture to BLTC Network



12V Outdoor Relay



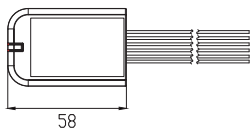
Part Number	Input Voltage	Max Load	Transmission Range	Operating Environment
BLI-REL-V12-BT01	12V AC/DC	12.5A	30-50M	-20°C~45°C 5~80%RH

Features

- Relay Function
- Connect Fixture to BLTC Network



0-10V Dimmable & Tunable Adapter



Part Number	Input Voltage	Transmission Range	Operating Environment
BLI-ET-V12-BT01	12V AC/DC	15-30M	-20°C~45°C 5~80%RH

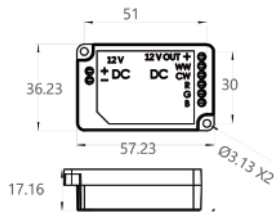
Features

- 0-10V Dimmable & Tunable
- Connect Fixture to BLTC Network



Smart Lighting

LED Stripe Adapter 12V/24V 1-5 CH 2A/CH



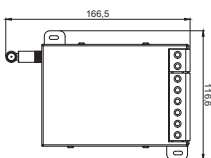
Part Number	Input Voltage	Output Voltage	Max Load	Transmission Range	Operating Environment
BLIETV1224DBT	12/24V DC	Same as Input Voltage	2A per Channel	15-30 M	-20°C~45°C 5~80%RH

Features

- Connect LED Stripe to BLTC Network
- 1-5 Channel color changing/dimming by App or controller
- Max 48W@24V, 24W@12V



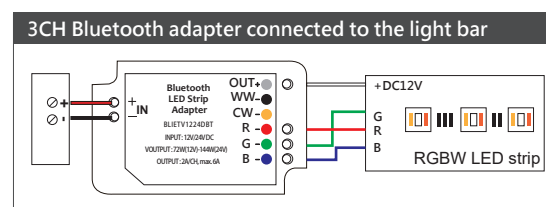
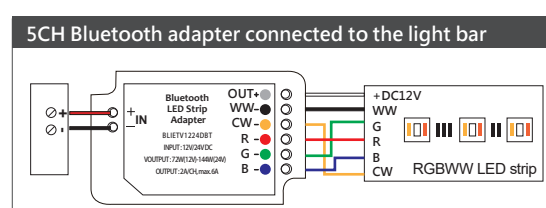
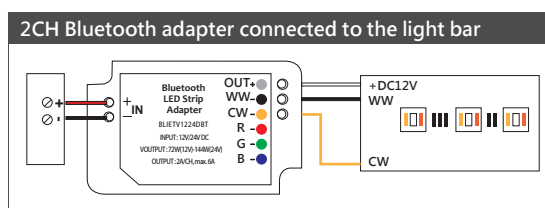
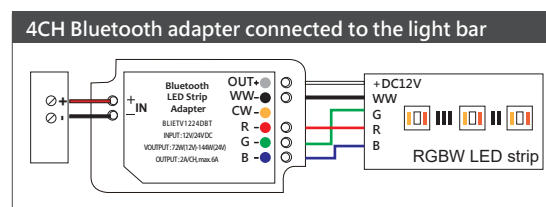
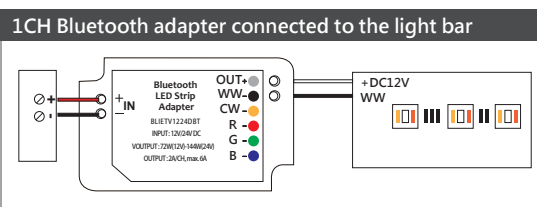
LED Stripe Adapter 12V/24V 1-5 CH 10A/CH



Part Number	Input Voltage	Output Voltage	Max Load	Transmission Range	Operating Environment
BLIETV1224DBTL	12/24V DC	Same as Input Voltage	10A per channel	30-50 M	-20°C~45°C 5~80%RH

Features

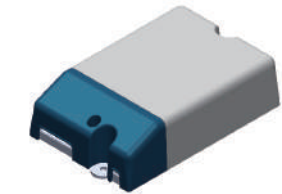
- Connect LED Stripe to BLTC Network
- 1-5 Channel color changing/dimming by App or controller
- Max 240W@24V, 120W@12V



Smart Lighting

BT Driver

- 1CH / 2CH / 5CH BT DRIVER
- 12W / 25W / 40W / 60W / 80W /100W / 150W



Track light



Downlight



Batten light



Panel light



40W 1CH Driver Specification

Output Current	350mA	500mA	600 mA	700 mA	900 mA	1050 mA
Output Voltage	0~54V	0~54V	0~54V	0~54V	0~44V	0~38V
Rated Wattage	18W	27W	36W		40W	
Max OCV		80V			65V	
Input Voltage(V)	85-305 VAC					
Max Inrush Current)	20A @ 230VAC (cold start)					
Power Factor	>0.9 100V-277V @full load					
Frequency (Hz)	47-63 Hz					
Total Harmonic Distortion (THD)	<20%					
Efficiency, Typ	>90%					
Max. no. on 16A circuit Breaker	26 PSUs on Type B; 44 PSUs on Type C					
Standby Power	<0.5W					
Wireless Transmission Range	15-30m					
Operating Temperature	-20°~60°C					



Smart Lighting

BT G4 10W Halogen Equivalent

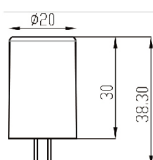


Part Number

BLVG440D120-NVW405LBT1

BLVG440D120-O2757W205LBT1	12V	1.4W	120lm	120	120°	46	>0.7
BLVG440D120-NRGBVW405LBT1							

Standard



Base Type : G4.0



BT MR16 35W Halogen Equivalent

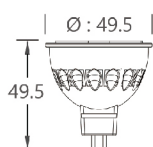


Part Number

BLV1653X-NVW81LBT1

BLV1653X-N2765W81LBT1	12V	5W	400lm	360lm	25° / 40° 60°/120°	218 (60°)	>0.7
BLV1653X-NRGBVW81LBT1							
BLV1653X-NRGB2765W81LBT1							

Standard



Base Type : GU5.3



BT PAR16 35W Halogen Equivalent

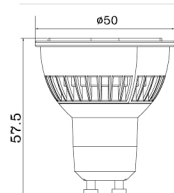


Part Number

BLV1610X-NVW81HBT1

BLV1610X-N2765W81HBT1	100V- 240V	5W	400lm	360lm	25° / 40° 60°/120°	218 (60°)	>0.7
BLV1610X-NRGBVW81HBT1							
BLV1610X-NRGB2765W81HBT1							

Standard



Base Type : GU10



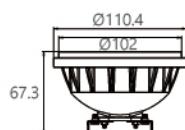
Smart Lighting

BT AR111 100W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Power Factor
BLV11153W-NVW241LBT1PA	12V	11.0W	910lm	890lm	50°	1350	>0.5
BLV1115W-N2765W241LBT1PA							

Standard



Base Type : G53



BT PAR36 80W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Power Factor
BLV36STW-ORGBVW1208LBTPA	12V	10.0W	850lm	780lm	40°	1300	>0.7

Standard



Base Type : Screw Terminal

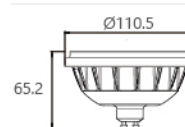


BT ES111 100W Halogen Equivalent

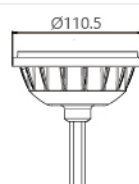


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Power Factor
BLV11110W-NVW241HBT1PA	100V-240V	11.0W	1000lm	900lm	50°	1350	>0.5
BLV11110W-N2765W241HBT1PA							

Standard



Base Type : GU10



Base Type : Wire

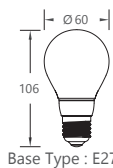


BT A60 60W Incandescent Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Power Factor
BLV1927P25-TVW1207HBT1							
BLV1927P25-T2765W2407HBT1	100V-240V	8.0W	810lm	810lm	220°	100	>0.7
BLV1927P25-TRGBVW2407HBT1							
BLV1927P25-TRGB2765W3607HBT1							

Standard



Base Type : E27

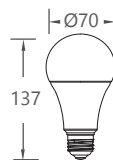


BT A70 80W Incandescent Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Power Factor
BLV2127P25-T2765VWXX02HBT1							
BLV2127P25-T2765WXX02HBT1	100V-240V	12W	1260lm	1260lm	220°	120	>0.7
BLV2127P25-TRGB2765WXX02HBT1							

Standard



Base Type : E27

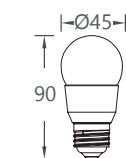


BT G45 30W Incandescent Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Power Factor
BLVG4527CC-NVW608HBT1			350lm	350lm			
BLVG4527CC-O2765VW41HBT1	100V-240V	4.5W	350lm	350lm	220°	35	>0.7
BLVG4527CC-NRGBVW806HBT1			320lm	320lm			
BLVG4527CC-NRGB2765W806HBT1			300lm	300lm			

Standard



Base Type : E27

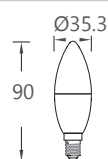


BT B35 35W Incandescent Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Power Factor
BLV8314CC-NVW608HBT1	100V-240V	4.5W	380lm	380lm	180°	60	>0.7
BLV8314CC-O2765W406HBT1			380lm	380lm			
BLV8314CC-NRGBVW806HBT1			350lm	350lm			
BLV8314CC-ORGB2765W406HBT1			330lm	330lm			

Standard



Base Type : E14



BT BR30 60W Incandescent Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Power Factor
BLV3027D120-TVWXXXHBT1	100V-240V	10.0W	750lm	750lm	100°	200	>0.7
BLV3027D120-T2765WXXXHBT1							
BLV3027D120-TRGB2765WXXXHBT1							

Standard



Base Type : E27



BT BR40 80W Incandescent Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Power Factor
BLV4027D120-TVWXXXHBT1	100V-240V	12.0W	1100lm	1100lm	100°	-	>0.7
BLV4027D120-T2765WXXXHBT1							
BLV4027D120-TRGB2765WXXXHBT1							

Standard



Base Type : E27

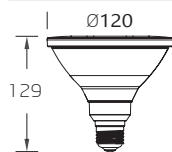


BT PAR38 60W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Power Factor
BLV3827X-NVWXXXHBT1	100V-240V	15.0W	800lm	700lm	40°/60°	-	>0.5
BLV3827X-N2765WXXXHBT1							

Standard



Base Type: E27

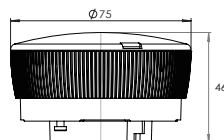


BT GX53 75mm 13W CFL Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Power Factor
BLVXXXXXX-N2765WXXXHBT1	100V-240V	5.3W	600lm	600lm	115°	-	>0.5

Standard



Base Type : GX53

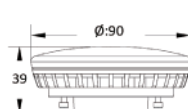


BT GX53 90mm 75mm 18W/26W CFL Equivalent

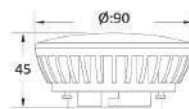


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Power Factor
BLVG53D120-N2765W241H1BT1	100V-120V	8.0W	790lm	790lm	115°	-	>0.7
BLVG53D120-NRGB2765W301H1BT1		8.0W	790lm	790lm			
BLVG53D120-N2765W361H1BT1		10.0W	1100lm	1100lm			
BLVG53D120-NRGB2765W421H1BT1		10.0W	1100lm	1100lm			

Standard



Base Type : GX53



Base Type : GX53



Smart Lighting

BT Filament A60



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Power Factor
BLFA6027GO-EFW41H2BT1	200V-240V	3.5W	350lm	440lm	300°	>0.7
BLFA6027BB-T226541H2BT1				400lm		

Standard

BT Filament ST64



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Power Factor
BLFST6427GO-EFW41H2BT1	200V-240V	3.5W	350lm	450lm	300°	>0.7
BLFST6427BB-T2265W41H2BT1				400lm		

Standard

BT Filament G95



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Power Factor
BLFG9527GO-EFW41H2BT1	200V-240V	3.5W	350lm	450lm	300°	>0.7
BLFG9527BB-T2265W41H2BT1				420lm		

Standard

BT Filament B35



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Power Factor
BLFB3514GO-EFW41H2BT1	200V-240V	2.5W	220lm	400lm	300°	>0.7
BLFB3514BB-T2265W41H2BT1				260lm		

Standard

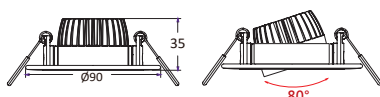
Smart Lighting

BT Adjustable Downlight



Part Number	Voltage	Power	Flux	Beam Angles	Candela (CBCP)	Power Factor
BLV68W-TVWHBT1DR95	100V-240V	8.0W	600lm	40°	760	>0.7
BLV68W-T2740WHBT1DR95			560lm	40°		

Standard

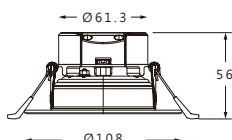


BT Downlight 9cm



Part Number	Voltage	Power	Flux	Beam Angles	Candela (CBCP)	Power Factor
BLL74D120-TVW1208HBT1	100V-240V	10.0W	800lm	180°	310	>0.7
BLL74D120-T2765W2404HBT1						
BLL74D120-TRGBVW1805HBT1						
BLL74D120-TRGB2765W3007HBT1						

Standard

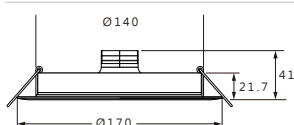


BT Downlight 15cm



Part Number	Voltage	Power	Flux	Beam Angles	Candela (CBCP)	Power Factor
BLL145D120-TVW2402HBT1	100V-240V	16.0W	1000lm	120°	365	>0.7
BLL145D120-T2765W4802HBT1						

Standard



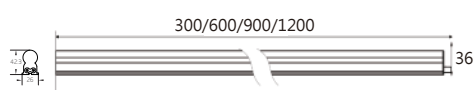
Smart Lighting

BT T5 Batten



Part Number	Voltage	Power	Flux	Beam Angles	Candela (CBCP)	Power Factor
BLVT510300-T2765W3205HBT1(1ft)	100V-240V	4.0W	400lm	148°	74	>0.5
BLVT520600-T2765W5605HBT1(2ft)		8.5W	850lm		175	
BLVT530900-T2765W8805HBT1(3ft)		12.5W	1350lm		276	
BLVT5401200-T2765W12005HBT1(4ft)		17.0W	1700lm		344	

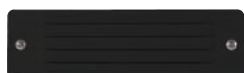
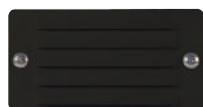
Standard



Accessories

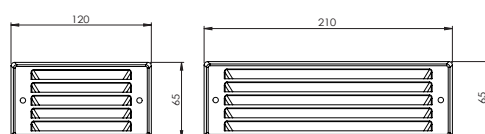


BT Step light



Part Number	Voltage	Power	Flux	Power Factor
BLVFLODD120-TVW1205LBT1(5")	12V	2.5W	140lm	>0.5
BLVFLODD120-T2765W1205LBT1(5")		2.5W	140lm	
BLVFLODD120-TVW2405LBT1(9")		5.0W	300lm	
BLVFLODD120-T2765W2405LBT1(9")		5.0W	300lm	

Standard



Accessories





The background features a large, light gray chevron shape pointing downwards. To the left, there is a vertical orange band with a white grid pattern. A yellow trapezoidal shape is positioned in the center-right, containing the main text.

Commercial Lighting

Superior spec,

Unique lighting application,

Design for commercial

Commercial Lighting

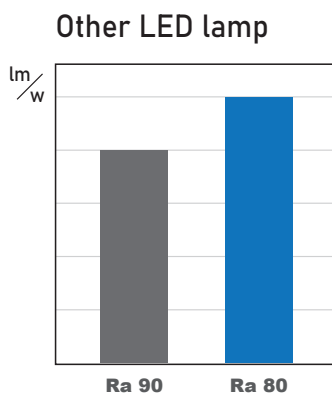
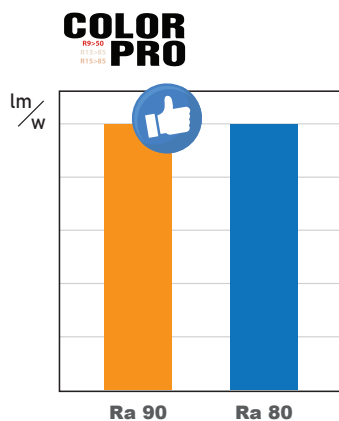
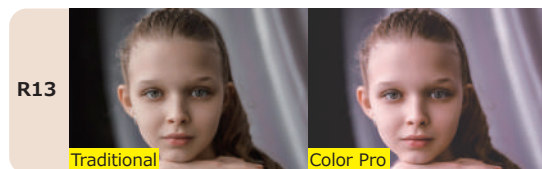
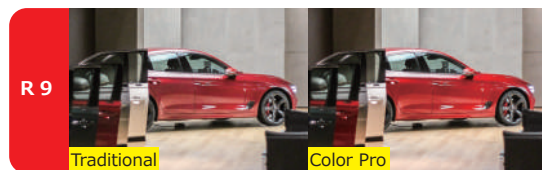
COLOR PRO

R9>50
R13>85
R15>85

- ◆ CRI = 90~95
- ◆ High Efficiency

Balance of Color -
unique color performance

- R9** LOOK MORE GORGEOUS
R9>50
- R13** LOOK MORE PRETTY
R13>85
- R15** LOOK MORE GLAMOROUS
R15>85

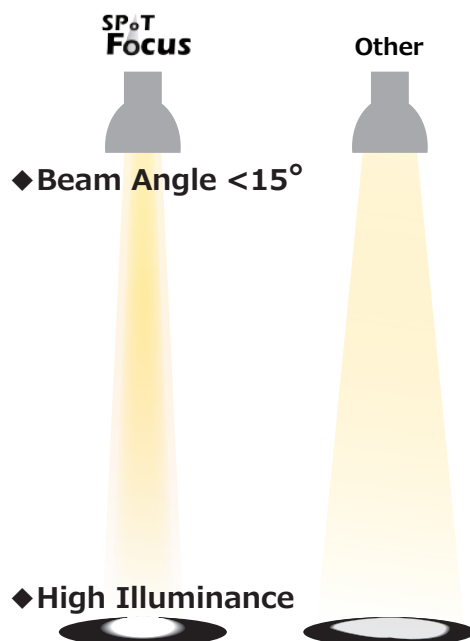


Efficiency-
high CRI with high Efficiency

Color Pro not only let our customer enjoy the advantage of high CRI, but gain the benefit of low cost.

SPOT Focus

- ◆ Narrow Beam Angle
- ◆ High Illuminance



Commercial Lighting

MR11 20W Halogen Equivalent

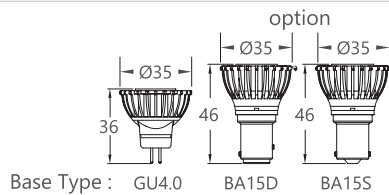


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLV11XXSS-NVW31L	12V	3.0 W	250 lm	225 lm	13°	1750	Limited	>0.5
BLV11XXM-NVW31L					25°	520		
BLV11XXW-NVW31L					30°	342		

Standard



Option



SPOT Focus

COLOR PRO



MR11 35W Halogen Equivalent

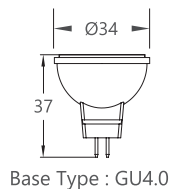


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLV1140SS-NVW41L17	12V	4.0 W	270 lm	240 lm	10°	4440	Limited	>0.5
BLV1140M-NVW41L		4.5 W	380 lm	340 lm	25°	1670		
BLV1140W-NVW41L		4.5 W	380 lm	340 lm	30°	1005		

Standard



Option



SPOT Focus



MR16 50W Halogen Equivalent (Dimming Version)

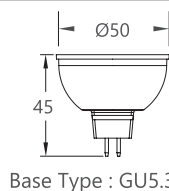


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLV1653SS-NVW6L	12V	6.0 W	435 lm	390 lm	10°	5030	YES	>0.7
BLV1653M-NVW6L					30°	1315		

Standard



Option



SPOT Focus



Commercial Lighting

MR16 COB 50W Halogen Equivalent

10°/20°/30°



60°

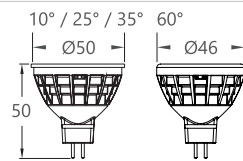


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLV1653SSA-NVW8L	12V	7.5 W	600 lm	540 lm	10°	6070	Limited	>0.7
BLV1653M-NVW8LEJ					20°	2780		
BLV1653W-NVW8LEJ					30°	1330		
BLV1653WD-NVW8LEJ					60°	610		

Standard



Option



Base Type : GU5.3



SPOT Focus



MR16 3LED/6LED 20W/35W Halogen Equivalent

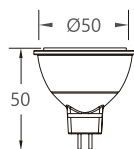


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM1653M-NVW32L	12V	4.0 W	360 lm	270 lm	20°	1300	Limited	>0.7
BLM1653W-NVW32L					40°	585		
BLM1653WD-NVW32L					60°	240		
BLM1653D120-NVW32L					100°	117		
BLM1653M-NVW61L	12V	5.5 W	480 lm	440 lm	20°	2000	Limited	>0.7
BLM1653W-NVW61L					40°	900		
BLM1653WD-NVW61L					60°	360		
BLM1653D120-NVW61L					100°	180		

Standard



Option



Base Type : GU5.3


COLOR PRO

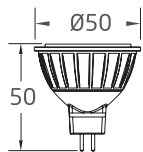


Commercial Lighting

MR16 6LED 35W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM1653M-NVW62L	12V	4.5 W	440 lm	400 ml	20°	1830	Limited	>0.7
BLM1653W-NVW62L					40°	825		
BLM1653WD-NVW62L					60°	330		
BLM1653D120-NVW62L					100°	163		
Standard				Option				
<div><div>CRI 80</div><div>CCT 2700</div><div>40000hr</div></div>				<div><div>CRI 80</div><div>CRI 95</div><div>CRI 95+ *</div><div><div>CCT 2200</div><div>2700</div><div>6500</div></div></div>				



Base Type : GU5.3




Sealed Fixture Allowed

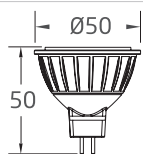
COLOR PRO
R9>90
R13>85
R15>85



MR16 8LED 50W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM1653M-NVW81L	12V	7.5 W	650 lm	600 lm	20°	2900	Limited	>0.9
BLM1653W-NVW81L					40°	1325		
BLM1653WD-NVW81L					60°	522		
BLM1653D120-NVW81L					100°	261		
<div><div>Standard</div><div><div>CRI 80</div><div>CCT 2700</div><div>40000hr</div></div><div>Option</div><div><div>CRI 80</div><div>CRI 95</div><div>CRI 95+ *</div><div><div>CCT 2200</div><div>2700</div><div>6500</div></div></div></div>								



Base Type : GU5.3



Sealed Fixture Allowed


COLOR PRO
R9>90
R13>85
R15>85

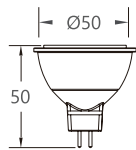


Commercial Lighting

MR16 COB 50W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM1653M-NVW7L	12V	7 W	660 lm	600 lm	25°	1350	Limited	>0.9
BLM1653W-NVW7L					40°	730		
BLM1653WD-NVW7L					65°	340		
BLM1653D120-NVW7L					105°	160		
<hr/>								
Standard				Option				
<div><div>CRI 80</div><div>CCT 2700</div><div> 40000hr</div></div>				<div><div>CRI 80</div><div>CRI 95</div><div>CRI 95+ *</div><div><div>CCT 2200</div><div>3</div><div>6500</div></div></div>				



Base Type : GU5.3




Sealed Fixture Allowed

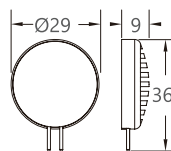
COLOR PRO
R9-50
R13-65
R15-85



Side Bi-Pin G4 3LED 20W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLMG440D120-NVW307L	12V	2.5 W	180 lm	160 lm	100°	65	NO	>0.9
<hr/>								
Standard				Option				
<div><div>CRI 80</div><div>CCT 2700</div><div> 40000hr</div></div>				<div><div>CRI 90</div><div>CRI 95</div><div>CRI 95+ *</div><div>CCT 2200 6500</div></div>				



Base Type : G4.0

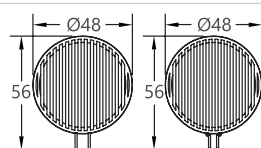
COLOR PRO
R9-50
R13-65
R15-85



Side Bi-Pin G4 4LED 40W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLMG440D120-NVW407L	12V	3.0 W	300 lm	270 lm	100°	85	NO	>0.9
<hr/>								
Standard				Option				
<div>CRI80CCT270040000hr</div>				<div>CRI90CRI95CRI95+*CCT22006500</div>				



Base Type : GY6.35

G4.0


COLOR PRO
R9-50
R13-65
R15-85

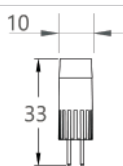


Commercial Lighting

G4 Lamp 10W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLMG440CC-NVW07L	12V	1.1 W	120 lm	120 lm	260°	-	NO	>0.5
BLMG440BB-NVW07L								
<hr/>								
Standard				Option				
<div><div>CRI 80</div><div>CCT 2700</div><div> 40000hr</div></div>				<div><div>CRI 90</div><div>CRI 95</div><div>CRI 95+ *</div><div>CCT 2200 ↓ 6500</div></div>				




Base Type : G4.0

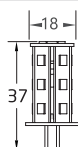
COLOR PRO
R9>90
R13>85
R15>85



G4 LAMP 30W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLMG440PP-TVM1801L	12V	2.5 W	235 lm	235 lm	300°	-	NO	>0.5
<hr/>								
Standard				Option				
<div>CRI80</div> <div>CCT2700</div> <div>40000hr</div>				<div>CRI90</div> <div>CRI95</div> <div>CCT2200 2 6500</div>				




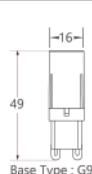
Base Type : GU4.0



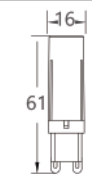
G9 30W/50W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
TWM16G9BB-TVW3004H2DM2	200-240V	2.0 W	250 lm	250 lm	270°	-	YES	>0.7
TWM16G9BB-TVW4804H2DM2		3.0 W	350 lm	350 lm		-		
<hr/>								
Standard				Option				
<div><div>CRI80</div><div>CCT2700</div><div>40000hr</div></div>				<div><div>CRI90</div><div>CCT2200 ±6500</div></div>				



Base Type : G9



Base Type : G9



Commercial Lighting

PAR16 GU10 3LED 20W Halogen Equivalent

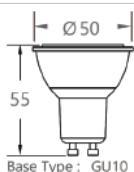


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM1610M-NVW32H2DM2	200-240V	3.5 W	360 lm	320 lm	22°	2160	YES	>0.7
BLM1610W-NVW32H2DM2					40°	960		
BLM1610WD-NVW32H2DM2					65°	380		
BLM1610D120-NVW32H2DM2					105°	180		

Standard



Option



COLOR PRO



PAR16 GU10 6LED 35W Halogen Equivalent

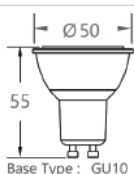


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM1610M-NVW61H2DM2	200-240V	5.0 W	480 lm	440 lm	20°	2400	YES	>0.7
BLM1610W-NVW61H2DM2					40°	1080		
BLM1610WD-NVW61H2DM2					60°	430		
BLM1610D120-NVW61H2DM2					100°	220		

Standard



Option



COLOR PRO



PAR16 GU10 8LED 50W Halogen Equivalent

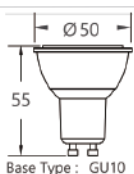


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM1610M-NVW81H2DM2	200-240V	7.5W	650 lm	600 lm	20°	2680	YES	>0.7
BLM1610W-NVW81H2DM2					40°	1300		
BLM1610WD-NVW81H2DM2					60°	540		
BLM1610D120-NVW81H2DM2					100°	240		

Standard



Option





COLOR PRO



Commercial Lighting

PAR16 GU10 COB 50W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM1610M-NVW7H2DM2	200-240V	8.0 W	660 lm	600 lm	25°	2230	YES	>0.7
BLM1610W-NVW7H2DM2					40°	1200		
BLM1610WD-NVW7H2DM2					60°	580		
BLM1610D120-NVW7H2DM2					100°	180		
Standard				Option				
<div><div>CRI 80</div><div>CCT 2700</div><div> 40000hr</div></div>				<div><div>CRI 80</div><div>CRI 95</div><div>CRI 95+ *</div><div> CCT 2200 6500</div></div>				

COLOR PRO



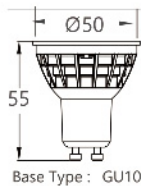
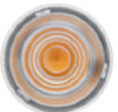
PAR16 GU10 50W Halogen Equivalent

10°



20°/30°

60°



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLV1610SS-NVW8H2DM2N	200-240V	6.5 W	650 lm	590 lm	10°	6000	YES	>0.7
BLV1610M-NVW8H2DM2N					20°	2650		
BLV1610W-NVW8H2DM2N					30°	1600		
BLV1610WD-NVW8H2DM2N					60°	550		
Standard				Option				
<div>CRI 80CCT 270040000hr</div>				<div>CRI 80CRI 95CRI 95+ *CCT 22006500</div>				



Sealed Fixture Allowed

SPOT Focus

COLOR PRO



Commercial Lighting

PAR16 GU10 75W Halogen Equivalent

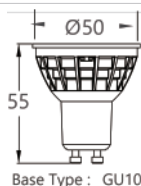


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLV1610SS-NVW9H2DM2N	200-240V	7.5 W	830 lm	750 lm	10°	6500	YES	>0.7
BLV1610M-NVW9H2DM2N					20°	2800		
BLV1610W-NVW9H2DM2N					30°	1920		
BLV1610WD-NVW9H2DM2N					60°	750		

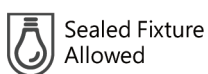
Standard



Option



Base Type: GU10



SPOT Focus

COLOR PRO



PAR16 GU10 20W Metal Halide Equivalent

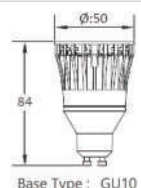


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLV1610SS-NVW9H	100-240V	9.0 W	900 lm	810 lm	15°	7100	NO	>0.7
BLV1610M-NVW9H					25°	3200		
BLV1610W-NVW9H					35°	2060		

Standard



Option



Base Type: GU10

SPOT Focus

COLOR PRO



Commercial Lighting

PAR20 20W/35W Metal Halide Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLV2027SS-NVW11H	100-240V	11.0 W	1,000 lm	900 lm	15°	7890	NO	>0.7
BLV2027M-NVW11H		11.0 W	1,000 lm	900 lm	25°	3585		
BLV2027W-NVW11H		11.0 W	1,000 lm	900 lm	35°	2380		
BLV2027M-NVW16H		15.0 W	1,600 lm	1,460 lm	30°	4175		
BLV2027W-NVW16H		15.0 W	1,600 lm	1,460 lm	40°	2795		

Standard

CRI
80

CCT
2700

40000hr

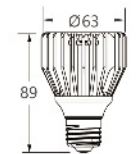
Option

CRI
90

CRI
95

CRI
95+

CCT
2200
6500



Base Type : E27

SPOT
Focus

COLOR
PRO



PAR30 IP65 135W Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM3027SS-NVW17H2DM2OD	200-240V	17.0 W	1,610 lm	1,450 lm	15°	15210	YES	>0.9
BLM3027M-NVW17H2DM2OD					30°	4030		

Standard

CRI
80

CCT
2700

40000hr

IP65

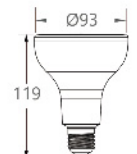
Option

CRI
90

CRI
95

CRI
95+

CCT
2200
6500



Base Type : E27

SPOT
Focus



PAR30 70W Metal Halide Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLV3027SS-NVW27H2DM2	200-240V	29.0 W	2,700 lm	2,430 lm	15°	26000	YES	>0.9
BLV3027M-NVW27H2DM2					30°	8000		

Standard

CRI
80

CCT
2700

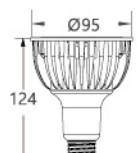
40000hr

Option

CRI
90

CRI
95

CCT
2200
6500



Base Type : E27

SPOT
Focus



Commercial Lighting

PAR38 IP65 250W Equivalent

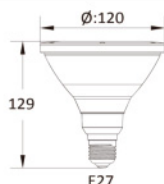


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM3827WT-NVW182H2DM2ODT	200-240V	13.0 W	1,280 lm	1,150 lm	30°	3240	YES	>0.9
BLM3827WT-NVW362HODT	100-240V	20.0 W	2,000 lm	1,800 lm	30°	3705	NO	>0.5

Standard



Option



COLOR PRO



PAR38 75W Metal Halide Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLV3827SS-NVW30H2DM2	200-240V	32.0 W	3,400 lm	3,160 lm	15°	27000	YES	>0.9
BLV3827M-NVW30H2DM2					30°	10000		

Standard



Option



SPOT Focus



ES111 100W/125W Halogen Equivalent

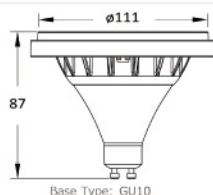


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM11110M-NVW1607H2DM2		14.0 W	1,100 lm	990 lm	25°	3435		
BLM11110W-NVW1607H2DM2		14.0 W	1,100 lm	990 lm	40°	1970		
BLM11110WD-NVW1607H2DM2	200-240V	14.0 W	1,100 lm	990 lm	60°	975	YES	>0.9
BLM11110M-NVW20H2DM2		20.0 W	2,150 lm	1,990 lm	25°	7230		
BLM11110W-NVW20H2DM2		20.0 W	2,150 lm	1,990 lm	40°	3600		

Standard



Option



COLOR PRO



Commercial Lighting

PAR38 IP65 250W Equivalent

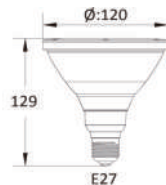


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM3827WT-NVW182H2DM2ODT	200-240V	13.0 W	1,280 lm	1,150 lm	30°	3240	YES	>0.9
BLM3827WT-NVW362HODT	100-240V	20.0 W	2,000 lm	1,800 lm	30°	3705	NO	>0.5

Standard



Option



COLOR PRO



PAR38 75W Metal Halide Equivalent

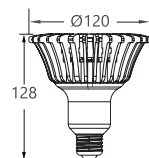


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLV3827SS-NVW30H2DM2HR	200-240V	32.0 W	3,400 lm	3,160 lm	15°	27000	YES	>0.9
BLV3827M-NVW30H2DM2HR					30°	10000		

Standard



Option



Base Type : E27

SPOT Focus



ES111 100W/125W Halogen Equivalent

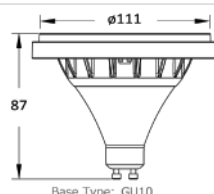


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM11110M-NVW1607H2DM2	200-240V	14.0 W	1,100 lm	990 lm	25°	3435	YES	>0.9
BLM11110W-NVW1607H2DM2		14.0 W	1,100 lm	990 lm	40°	1970		
BLM11110WD-NVW1607H2DM2		14.0 W	1,100 lm	990 lm	60°	975		
BLM11110M-NVW23H2DM2		20.0 W	2,150 lm	1,990 lm	25°	7230		
BLM11110W-NVW23H2DM2		20.0 W	2,150 lm	1,990 lm	40°	3600		

Standard



Option



Base Type: GU10

COLOR PRO



Commercial Lighting

AR70 50W Halogen Equivalent

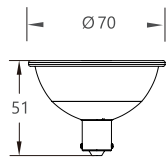


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLV7015DSS-NVW7LE	12V	7.5 W	650 lm	590 lm	10°	7415	Limited	>0.7
BLV7015DM-NVW7LE					20°	2895		
BLV7015DW-NVW7LE					35°	1560		
BLV7015DWW-NVW7LE					60°	594		

Standard



Option



Base Type : BA15D



AR111 100W/125W Halogen Equivalent

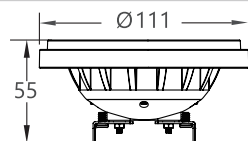


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM11153M-NVW1607LET	12V	16.0 W	1,100 lm	990 lm	25°	3405	Limited	>0.9
BLM11153W-NVW1607LET		16.0 W	1,100 lm	990 lm	40°	1970		
BLM11153WD-NVW1607LET		16.0 W	1,100 lm	990 lm	60°	975		
BLM11153M-NVW23LET		23.0 W	2,150 lm	1,990 lm	25°	6300		
BLM11153W-NVW23LET		23.0 W	2,150 lm	1,990 lm	40°	3000		

Standard



Option



Base Type : G53

COLOR PRO
R9+50
R15+85

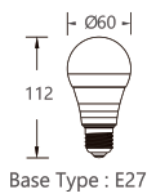


Commercial Lighting

Low Voltage A60 60W Equivalent



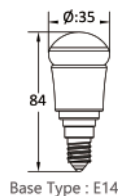
Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM6027P25-OVW1008L	12-24V	10.0 W	1,000 lm	1,000 lm	220°	-	NO	>0.7
<div> <div>Standard</div> <div> <div>CRI 80</div> <div>CCT 2700</div> <div>40000hr</div> </div> <div>Option</div> <div> <div>CRI 90</div> <div>CRI 95</div> <div>CCT 2200 6500</div> </div> </div>								



A35 40W Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLO1114PP-NVW15H	100-240V	6.0 W	650 lm	600 lm	270°	-	NO	>0.7
<div> <div>Standard</div> <div> <div>CRI 80</div> <div>CCT 2700</div> <div>40000hr</div> </div> <div>Option</div> <div> <div>CRI 90</div> <div>CRI 95</div> <div>CRI 95+ *</div> <div>CCT 2200 6500</div> </div> </div>								



Commercial Lighting

PLC 13W/18W/26W Equivalent

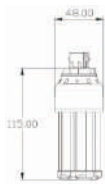


Part Number	Voltage	Power	Flux	Beam Angles	Length (mm)	Base	Power Factor
BLV100GX24QPP-NCW4802H	100-240V	5.5 W	650 lm	300°	100	GX24q/GX10q	>0.9
BLV115GX24QPP-NCW4802H		5.5 W	650 lm		115	GX24q/GX10q	
BLV128GX24QPP-NCW5502H		6.8 W	850 lm		128	GX24q/GX10q	
BLV150GX24QPP-NCW6602H		8.3 W	1,050 lm		150	GX24q/GX10q	

Standard



Option



Commercial Lighting

R86 Pool & Spa Lamp

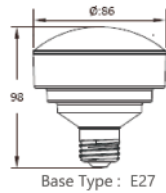


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLS8627D120-ORGB3901L	100-240V	8.0 W	R/66 G/121 B/25 lm	R/66 G/121 B/25 lm	120°	-	NO	>0.7

Standard

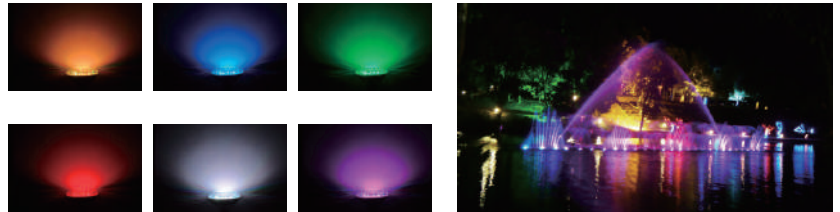


Option



Color Changing Pool Lamp

Color changing lamps are used mostly at locations where "color shows" is performed such as pool, park, night club, etc. Our product has 10 color modes that can be adjust simply by switch on and off. We could also provide auto color changing modes depending on special request.



BR40 Pool & Spa Lamp

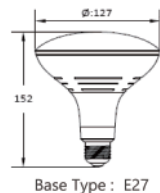


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLS4027D120-ORGB10102L	100-240V	14.0 W	R/171 G/231 B/49 lm	R/171 G/231 B/49 lm	100°	-	NO	>0.7

Standard

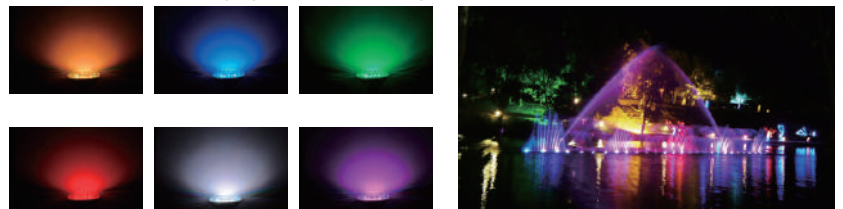


Option



Color Changing Pool Lamp

Color changing lamps are used mostly at locations where "color shows" is performed such as pool, park, night club, etc. Our product has 10 color modes that can be adjust simply by switch on and off. We could also provide auto color changing modes depending on special request.



Commercial Lighting



Easy to Install:

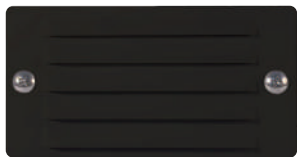
Included complete accessories and 10 inch power cord.
The fixture can be easily surface mounted with 2pcs screws.

Safe to body:

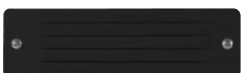
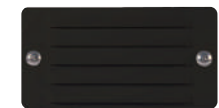
The flat surface prevents scratches.
The AC/DC 12V low voltage, no risk of electric shock.

Quality and IP65 Waterproof:

Aluminum cover with coating is more durable and anti-corrosion.
Waterproof design is assured by IP65 protection, and allowed for outdoor application.



Step light (5", 9")



Part Number

BLVFLODD120-TVW1205LBT1

BLVFLODD120-TVW2405LBT1

Voltage

12V

Power

2.5W

5.0W

Flux

140lm

300lm

Power Factor

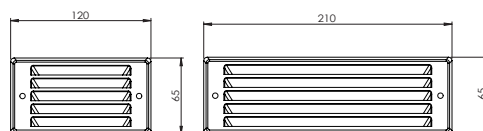
>0.5

Standard

CRI
80

25000hr

IP65



Accessories







Residential Lighting

Essential lamps,
Economical and General
Lighting series.

Residential Lighting

MR16 COB LIKE 20W Halogen Equivalent

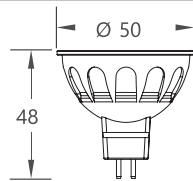


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
DI21653M-OVW4LB	12V	4.0 W	260 lm	230 lm	25°	650	Limited	>0.7
DI21653W-AVW41LB					40°	370		
DI21653WD-AVW41LB					60°	200		

Standard



Option



Base Type : GU5.3



MR16 COB LIKE 35W Halogen Equivalent

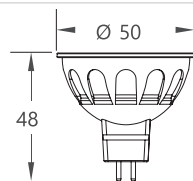


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
DI21653M-OVW6LB	12V	5.0 W	360 lm	325 lm	25°	1400	Limited	>0.7
DI21653W-AVW61LB					40°	700		
DI21653WD-AVW61LB					60°	450		

Standard



Option



Base Type : GU5.3



MR16 COB LIKE 50W Halogen Equivalent

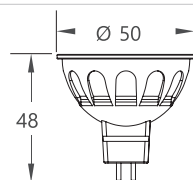


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
DI21653M-OVW10L	12V	6.5 W	500 lm	430 lm	25°	1650	Limited	>0.7
DI21653W-AVW101L					40°	950		
DI21653WD-AVW101L					60°	550		

Standard



Option



Base Type : GU5.3



Residential Lighting

PAR16 GU10 50W Halogen Equivalent

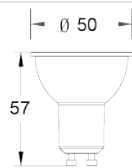


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
DI21610W-TVW707H2	200-240V	6.0W	450lm	405lm	40°	850	NO	>0.5
DI21610D120-TVW707H2			400lm	360lm	120°	280	NO	>0.5
DI21610W-TVW707H2DM2			450lm	405lm	40°	850	YES	>0.7
DI21610D120-TVW707H2DM2			400lm	360lm	120°	280	YES	>0.7

Standard



Option



Base Type : GU10



PAR16 GU10 50W Halogen Equivalent(New Version)



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM1610M-TVWXXH2DM2	200-240V	5.5 W	550 lm	450 lm	25°	1900	YES	>0.7
BLM1610W-TVWXXH2DM2					40°	1100		
BLM1610WD-TVWXXH2DM2					60°	800		

Standard



Option



PAR16 GU10 75W Halogen Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM1610M-TVWXXH2DM2	200-240V	6.5 W	650 lm	590 lm	25°	2500	YES	>0.7
BLM1610W-TVWXXH2DM2					40°	1500		
BLM1610WD-TVWXXH2DM2					60°	900		

Standard





Option

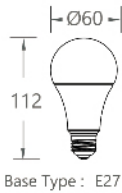


Residential Lighting

A60 40W Incandescent Equivalent





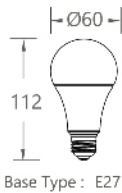
Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
DI56027P25-TVW602H	100-240V	4.2W	485 lm	485 lm	200°	-	NO	>0.7
DI56027P25-TVWXXXH2DM2	200-240V	4.5 W					YES	>0.9
<div><div>Standard</div><div><div>CRI80</div><div>CCT2700</div><div>40000hr</div></div><div>Option</div><div><div>CRI90</div><div>CRI95+</div><div>CCT2700 6500</div></div></div>								



A60 60W Incandescent Equivalent



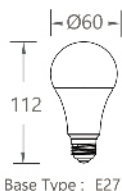
Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
DI56027P25-TVW1202H	100-240V	7.5W	810 lm	810 lm	200°	-	NO	>0.7
DI56027P25-TVWXXXH2DM2	200-240V	6.5 W					YES	>0.9
<div><div>Standard</div><div><div>CRI80</div><div>CCT2700</div><div>40000hr</div></div><div>Option</div><div><div>CRI90</div><div>CRI95+</div><div>CCT2700 6500</div></div></div>								



A60 80W Incandescent Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
DI56027P25-TVW2402H	100-240V	8.0W	1,080 lm	1,080 lm	200°	-	NO	>0.7
<div> <div>Standard</div> <div> <div>CRI 80</div> <div>CCT 2700</div> <div>40000hr</div> </div> </div> <div> <div>Option</div> <div> <div>CRI 90</div> <div>CRI 95+*</div> <div>CCT 2700 & 6500</div> </div> </div>								



Residential Lighting

A65 100W Incandescent Equivalent



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
DI56527P25-TWW3202H	100-240V	13.5W	1,520 lm	1,520 lm	200°	-	NO	>0.7

Standard



Option



Base Type : E27

COLOR PRO



CA35 25W/40W Incandescent Equivalent

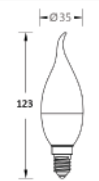


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
DI28314BF-TVW804H	100-240V	3.5 W	280 lm	280 lm	135°	-	NO	>0.5
DI28314CF-TVW804H		3.5 W	280 lm	280 lm	250°	-		
DI28314BF-TVW1604H		5.0 W	490 lm	490 lm	150°	-		
DI28314CF-TVW1604H		5.0 W	490 lm	490 lm	250°	-		

Standard



Option



BASE TYPE: E14



B35 25W/40W Incandescent Equivalent

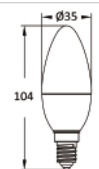


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
DI28314BB-TVW804H	100-240V	3.5 W	280 lm	280 lm	135°	-	NO	>0.5
DI28314CC-TVW804H		3.5 W	280 lm	280 lm	250°	-		
DI28314BB-TVW1604H		5.0 W	490 lm	490 lm	150°	-		
DI28314CC-TVW1604H		5.0 W	490 lm	490 lm	250°	-		

Standard



Option



Base Type : E14



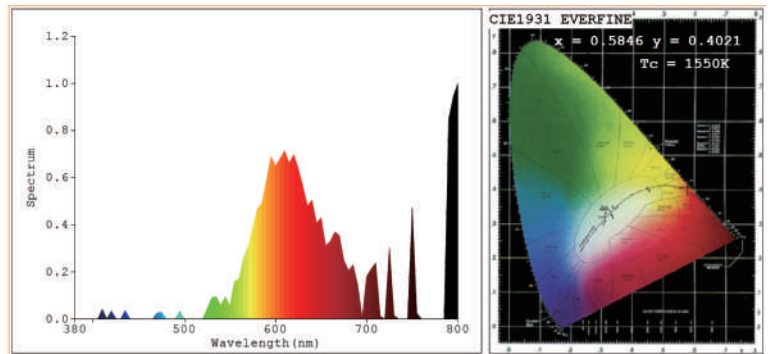
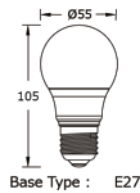
Residential Lighting

Anti-inset LED bulb



Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM5527P25-TA41H	100-240V	4.0 W	280 lm	280 lm	200°	-	NO	>0.5

Standard



According to researches, Mosquitoes own the phototaxis, specific 580~610nm wavelength light can repel the insect and confuse their vision.



A60 3-step DIMMING 60W/100W Incandescent Equivalent

3-step

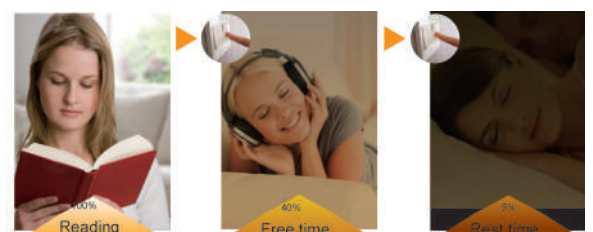
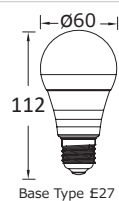


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
BLM6027P25-NVW1207HDM1	100-240V	10.0W	810 lm	810 lm	200°	-	YES	>0.7
BLM6027P25-NVW3007HDM1		16.0W	1,680 lm	1,520 lm		-		

Standard



Option



Residential Lighting

A60 AUTO DIMMING 60W Incandescent Equivalent

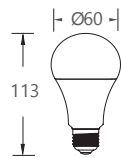


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
DI26027P25-TVW2404HDM5	100-240V	9.0 W	900 lm	900 lm	200°	-	YES	>0.7

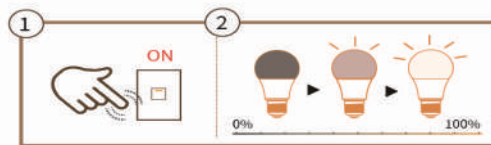
Standard



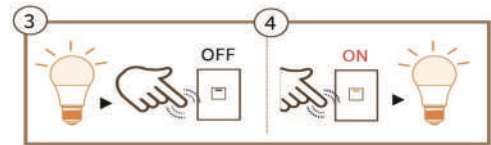
Option



Base Type : E27



Switching on, bulb lights from low to full brightness, total 10 levels of dimmer, select your favor brightness.



When finding suitable brightness, switch off, then back on quickly for your desired lighting.

A60 CCT Change 60W/75W Incandescent Equivalent

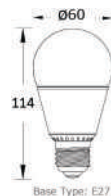


Part Number	Voltage	Power	Flux	Rated Flux	Beam Angles	Candela (CBCP)	Dimming	Power Factor
DI26026P25-TXXXXW4803H	100-240V	10.0 W	810lm/965lm	810lm/965lm	180°	-	NO	>0.7

Standard



Option



Base Type: E27

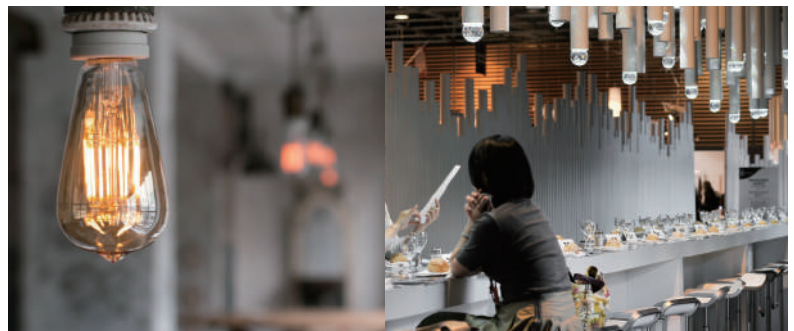


Filament

Incandescent bulb is the symbol of classic and a retrospect of the good old times. With the new LED technology we are able to offer LED filament lamps to bring back the memories from the good old times.

Hand-blown glass combined with amber lighting to create a warm atmosphere.

- Consistent with the traditional shape
- Fine welding
- Transparent glass cover
- High-quality filament LED
- Nickel-plated base type



Filament

Part Number	Input Voltage	Total Pow. +/-10%(W)	CCT	Typical Lumens (lm)	Dimming	Power Factor (PF)
2 X LED	100-240V	2.5W	2200K/2700K	280lm	No	>0.5
4 X LED	100-240V	4.5W	2200K/2700K	500lm	No	>0.5
8 X LED	100-240V	6.5W	2200K/2700K	800lm	No	>0.5
Standard	Option					
CRI 80		20000hr		CCT 2700		CCT 2200



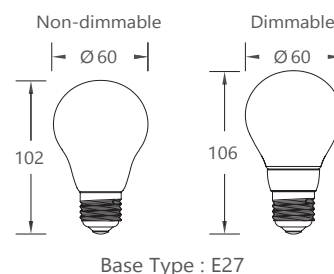
Residential Lighting

A60 Filament Lamp Series 280lm/500lm/800lm

Non-dimmable



Dimmable

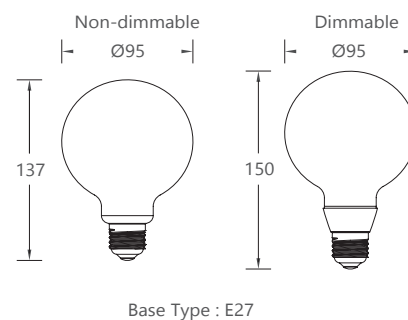


G95 Filament Lamp Series 280lm/500lm/800lm

Non-dimmable



Dimmable

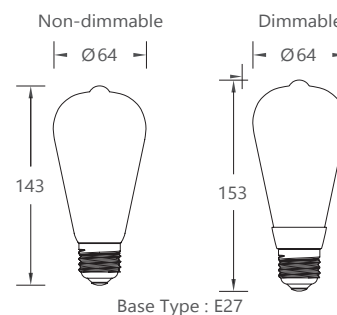


ST64 Filament Lamp Series 280lm/500lm/800lm

Non-dimmable



Dimmable

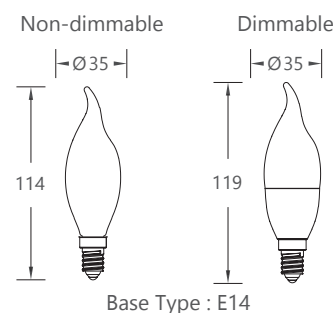


CA35 Filament Lamp Series 280lm/500lm

Non-dimmable



Dimmable



B35 Filament Lamp Series 280lm/500lm

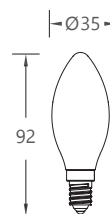
Non-dimmable



Dimmable



Non-dimmable



Dimmable



Base Type : E14







Annex

Principles of Ordering,
Important Notice
CCT-CRI Formula

Principles of Ordering Number for LED Bulb

Order numbers consist of 12 parts, and the digits of them vary with different Specs and products.



BL X X X X - X X X X X X X
1 2 3 4 5 6 7 8 9 10 11 12

1. For B.L.T.C.	
2. Bulb Type	
V	V Type
T	T Type
M	M Type
O	O Type
S	S Type
E	Ballast Compatible
L	L Type (Light Fixture)
DIY	DIY Type
DI2	DIY II Type
2. Bulb Shape	
11	MR11, S11(Ø35)
13	G9(Ø13)
16	MR16, PAR16, R16(R50)
17	G9(Ø17& Ø18)
19	A19(A60)
20	PAR20, R20(R63), Security Bulb
22	Security Bulb, A22(A70)
25	G9, PAR25, R25(R80)
30	PAR30, BR30(R95)
35	G9(Ø35), S11(Ø35)
36	PAR36
38	PAR38, BR38(R120)
40	BA15D, BA15S
45	Class P
68	Spotlight(Cut Out Ø68), Adjustable
74	Spotlight(Cut Out Ø68), Rotatable
75	HID(Ø71)
95	HID(Ø94)
71	AR111, ES111
94	A50, PAR16, JDR50
111	A55, B55
50	A19(A60)
55	A65
60	A70, AR70, JDR70
65	B75
70	Candle light- C11/ CA11(CA35)/ B11(B35)
75	R86
80	G4
83	G14(G45)
86	G14(G45)
A	G16(G50)
R	GX53
G4	G70
G14	G30(G95)
G45	G40(G120)
G50	GLS (A15-Ø45)
G53	GLS (Ø50)
G70	GLS (A17-Ø55)
G95	R12(R40)
G120	R14(R45)
GL45	R52(R165)
GL50	T Lamp(Ø25)

3. Bulb Shape	
GL55	07°~11°
R12	14°~24°
R14	10°~22°
R52	15°~35°
T25	29°~46°
T40	30°~60°
T54	40°~60°
TR50	76°~87°
OC	70°~110°
TC	Transparent (Clear cover)
4. Bulb Head (Lamp Holder)	
4.1 For Low Voltage	
40	G4.0, GU4.0, GZ4.0
Z10	EZ10
53	GU5.3 (MR16) , G53(AR111, PAR36)
ST	Screw Terminal(ST)
15D	BA15D
15S	BA15S
T20	T20
GY6	GY6.35
4.2 For High Voltage	
10	GU10, E10
11	E11
12	E12
14	E14
15D	BA15D
15S	BA15S
17	E17
22	B22
24	GU24
26	E26
27	E27
39	E39
40	E40
G9	G9
5. Optics	
N15	07°~11°
N25	14°~24°
N40	22°~25°
N60	28°~30°
N80	45°~52°
SS	8°~22°
SSA	8°~22°
M	15°~35°
W	29°~46°
WD	30°~51°
WW	40°~60°
WWW	76°~87°
S40	45°
S60	40°, 15°~67°Angle Adjustable
D120	70°~110°
BB	>130° color : transparent (clear cover)
CC	>130°color : white (opaque cover)

Principles of Ordering Number for LED Bulb

Order numbers consist of 12 parts, and the digits of them vary with different Specs and products.

BL X X X X - X X X X X X X
1 2 3 4 5 6 7 8 9 10 11 12

5. Optics	
PP	>270° within Lens color : white (opaque cover)
P25	>220°(Globe Lamp) color : white (opaque cover)
BF	>130° Clear Flame Cover
CF	>130° Opaque Flame Cover
C25	>150° CC Cover and Lens
B35	>130° Clear Bulb Cover
C35	>130° Opaque Bulb Cover
A	ASI(Aether systems Inc.) Lens
T	Light leak design
E	Exterior antenna
BB	Clear Cover
GO	Transparent Amber Cover
6.LED Brand	
A	Samsung
B	Bridgelux (BXRE)
C	Cree
E	Hangke(Filament)
N	Nichia
H	Sharp
L	Lumileds
T	Epistar, Prolight Opto, Other
O	Osram, Other
7.Color	
R	Red
G	Green
B	Blue
A	Amber
FW	Warm White 2200K (2000K~2290K)
24FW	Warm White 2400K (2290K~2580K)
VW	Warm White 2700K (2580K~2870K)
28VW	Warm White 2800K (2725K~2870K)
WW	Warm White 3000K (2870K~3220K)
35WW	Warm White 3500K (3220K~3710K)
NW	Neutral White 4000K (3710K~4260K)
45NW	Neutral White 4500K (4260K~4745K)
CW	Cool White 5000K (4745K~5310K)
W	Cool White 5700K (5310K~6020K)
65W	Cool White 6500K (6020K~7040K)
RGBW	Color Changing
2750W	CCT changing 2700K/5000K
3057W	CCT changing 3000K/5700K
RGBXW	4 Colors
RGBXXW	5 colors
8.LED Quantity & power consumption	
1	1*1.3W
5	1*4.5W
19	1*9W
31	3*1.3W
41	4*1.0W
42	4*1.8W
51	5*1.0W
61	6*1.0W
62	6*2.0W

8.LED Quantity & power consumption	
63	6*3.0W
71	7*1.0W
81	8*1.0W
82	8*2.0W
91	9*1.3W
92	9*2W
121	12*1.1W
131	13*1W
122	12*2W
162	16*1.5W
1207	12*0.7W
9.Input Voltage	
L	12V
M	24V
R	36V
S	Fixed current
H	85-260V
H1	100~120V
H2	200~240V
H3	277V
H10	100V Japan
H12	120V United States of America/ Taiwan
H22	220V China/ Middle East and others
H23	220~240V
H24	230~240V Europe/ Australia and others
10.Other Division	
LG	Long Holder
SG	Short Holder
XP	Cree MCE/ XPG
K	Nichia 219B
E	Nichia 488ART / 486ARE
Q	Cree XTE
Y	Cree XBD
PE	Cree XPE
RL	Indoor Lighting
OD	Out Door
DM1	4-Step Dimming
DM2	Dimmable Lamp
DM3	Color Changing Lamp
DM5	Auto dimmng
WF	WiFi
WF0	WiFi, w/ No memory card attached
WF8	WiFi, w/ 8G memory card
WF16	WiFi, w/16G memory card
WF32	WiFi, w/ 32G memory card
WF64	WiFi, w/ 64G memory card
BT	Bluetooth E3 Version
BT1	Bluetooth麗輝版
BT2	Bluetooth夢想版
ZB	Zigbee
RF	RF
M	Bluetooth & wifi
C	Accessories

Principles of Ordering Number for LED Bulb

Order numbers consist of 12 parts, and the digits of them vary with different Specs and products.

BL X X X X - X X X X X X X
1 2 3 4 5 6 7 8 9 10 11 12

10.Other Division	
MB	Meat and Bread
F	Fish
V	Vegetables
N	New Plastic back (N-PFC)
NP	New packing for XXXX (ex: AURORA new packing for UK)
AD	Angle Adjustable, Cost version
70	CRI70
80	CRI80
90	CRI90
95	CRI95
ET	Compatible with Electronic Transformer
P	Pillar lens (difference with the crown lens)
A	NTC Vrsion
B	Power cable without connector
C	Power cable with connector
U	UL Cable for America
V	VDE Cable for Europe(without parallel cable)
D	Lower load
SK	SKD
17	Use Nichia E17
PA	BT Power Amplified
H	Brighter RGB

11.New, Old, Color Version of Holders	
(None)	New
O	Old
(None)	General Part Number
W	White
B	Black
G	Golden
C	Charcoal
T	Traditional Version
S	Silver Version
P	pattern
D	Drop
12.Customized Modification	
XX	2-digit code for customers

Principles of Ordering Number for LED Batten

Order numbers consist of 12 parts, and the digits of them vary with different Specs and products.



BL X X X X - X X X X X X X
1 2 3 4 5 6 7 8 9 10 11 12

1. For B.L.T.C.	
2. Bulb Type	
V	V Type
T	T Type
M	M Type
O	O Type
S	S Type
DIY	DIY Type
DI2	DIY II Type

3. Lamp Shape	
T5	T5
T8	T8

4. Designed to replace what wattage of LED Tubes	
7	7W
14	14W
21	21W
28	28W
40	40W
50	50W

5. Length of Tube (mm)	
280	280
305	305
560	560
610	610
860	860
915	915
1160	1160
1220	1220
1460	1460

6.LED Brand	
C	Cree
N	Nichia

7.Color	
R	Red
G	Green
B	Blue
A	Amber
VW	Warm White 2700K
WW	Warm White 3000K
NW	Neutral White 4000K
CW	Cool White 5000K
W	Cool White 5700K

8. LED Quantity & power consumption	
3301	33*0.13W
6601	66*0.13W
9901	99*0.13W
13201	132*0.13W
1605	16*0.5W
2405	24*0.5W
81	8*1W
121	12*1W

9. Voltage (V)	
H1	100~120V
H2	200~240V

10.Other Division	
AD	Angle Adjustable
DM1	Switching Dimmable/0%-50%-100% Dimming function
DM2	Dimmable/0%~100% Smooth Dimming with TRIAC Dimmers
DM3	Specific Dimming function

11.New, Old, Color Version of Holders	
(None)	New
O	Old
(None)	General Part Number
W	White
B	Black
G	Golden
C	Charcoal
T	Traditional Version
S	Silver Version
P	pattern
D	Drop

12.Customized Modification	
XX	2-digit code for customers

Transformer & Dimmer Selection Guide

(1) 12V AC Transformer: There are two types transformer available commercially:

A. Magnetic AC Transformer:

The traditional heavy transformer without electronic components can be coped with our products with good compatibility.

B. Electronic AC Transformer:

The traditional economic transformer used mainly for MR16 halogen lamp, usually performs poor compatibility for low voltage LED lamp. We don't suggest this type of transformer due to the frequent problems such as no light or flicker.

(2) 12V DC Transformer:

There is no problem to use DC transformer with our low voltage products due to its high stability.

(3) Dimmer Selection:

When 12V DC transformer is used, the traditional Triac dimmer cannot work. Therefore, the dimming effect of low voltage LED Lamp heavily depends on the AC transformer. Also the different brands of dimmers may affect the dimming effects. Please contact us if you want to know further dimming effect of our low voltage LED Lamp.

Dimming Guide

- The maximum LED lamp load is not clearly defined by most of the key dimmer manufactures.
- BLTC's dimmable lamps can work with most of leading edge (TRIAC) and trailing edge dimmers, however 100% compatibility cannot be guaranteed due to the variety and quality of dimmers in the market. Some of the compatibility issues may include audible noise, flickering and higher light output when the dimmer is set at a certain level.
- Maximum total LED lamps power should not exceed 20% of dimmer's maximum rated power.
- For instance, if a dimmer's maximum rated power is 600 Watts, the recommended maximum LED lamp load power should be under 120 Watts.
- The remote control may not work properly when used around infrared remote control such as television remote and AC remote.
- If the dimmer is set at a lower than 10% level when the bulb is turned on, it is possible to have no light emission at all or flicker. In this case, please just tune the dimmer to 100% and turn the bulb on again.
- The time it takes to turn on the light may vary with different kind of dimmer switch.
- Do not use dimmer with non-dimmable bulbs to avoid damage and burning.
- Sometimes the lamp may fail to dim when working with the following kinds of dimmers.
 - sensor dimmers
 - stepping dimmers
 - remote control dimmers
 - dimmers with memory
- When dimming, the brightness of the lamp will be affected by the variation of power supply and bulb types.
- When the dimmer is tuned at the lowest level, a moment of brightness might occur after the power is turned on.
- When the dimmer is tuned at the lowest level, dimming or flickering might occur when a high- power consumption device such as hair dryer or air conditioner is used due to power and current fluctuation.
- When turning off light, it is highly recommended to turn off the power switch instead of simply tuning the dimmer to the lowest level.
- When more than one bulb is connected to a dimmer, the brightness of each bulb may vary depending on its characteristic.
- It is normal to have minor noises when turning dimmers.
- If the light flickers when dimming, please adjust the dimmer until the light is tuned to a steady level.

Safety & Warning

- Do not cover lamp with paper, fabric, or any flammable material to avoid burning.
- Operating Temperature: -20°C~+40°C
- Do not insert metal object into the gap of lamp base.
- Do not use in high humidity environment or near water to avoid damage.
(Except for BLTC Outdoor IP65 version product)
- Not suitable for use in automatic light sensor system, emerging lighting fixture and mercury fixture to avoid damage and burning.
- Do not use near flammable objects such as gasoline, spray, chemicals, paints, oil, ...etc.
- Do not use in place that is likely to be impacted by force or vibration.
- Do not use in acidic environment.
- Do not install lamp in heat insulated fixture.
- Do not disassemble or reconstruct the lamp.
- Do not stare directly at the lamp to avoid light injury.
- Do not wash the lamp with water or any detergent.
- Please turn off the light when installing or cleaning to avoid electric shock.
- Do not touch any power-on lamps or lamps that have just been turned off to avoid injury.
- Please ensure the lamp is rightly installed into the socket to avoid dropping.
- Please select the appropriate fixture based on lamp size and weight.

General Guideline

- The appropriate combination of lamp and lamp base should be carefully selected for different voltage and wattage.
- Slight difference of color temperature and brightness is likely to occur for the same part number due to the difference of LED chips.
- To avoid heat build-up and the shortening of product lifetime, sealed fixture is not recommended unless particularly marked in the data sheet.
- Keep the lamp from radio, video, and television at least 1 meter to avoid noise by interference.
- Please handle carefully to avoid damage or collision.

Different color temperature of the data formula

Different color temperature of the lumen / illumination formula

This catalog mainly uses 2700K lumens / illumination as specification, if with other color temperature be demanded, such as: 3000K, 4000K, 5000K, can refer to the following formula as a preliminary estimate reference.

Example:

Take Ra80 as an example, 2700K is 100 lm, under the same CRI, multiplied by the corresponding CRI coefficient, it can be estimated:

3000K: $100 * 1.04 = 104$

4000K: $100 * 1.09 = 109$

5000K: $100 * 1.09 = 109$

	Ra70	Ra70 coefficient	Ra80	Ra80 coefficient	Ra90	Ra90 coefficient	Ra95	Ra95 coefficient
2000K	102 lm	1.02	94 lm	0.94	80 lm	0.80	62 lm	0.62
2200K	104 lm	1.04	96 lm	0.96	82 lm	0.82	64 lm	0.64
2700K	108 lm	1.08	100 lm	1.0	86 lm	0.86	68 lm	0.68
3000K	110 lm	1.10	104 lm	1.04	90 lm	0.90	72 lm	0.72
4000K	116 lm	1.16	109 lm	1.09	95 lm	0.95	79 lm	0.79
5000K	114 lm	1.14	109 lm	1.09	97 lm	0.97	85 lm	0.85
5700K	119 lm	1.19	114 lm	1.14	100 lm	1	90 lm	0.90
6500K	124 lm	1.24	119 lm	1.19	115 lm	1.15	95 lm	0.95



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