

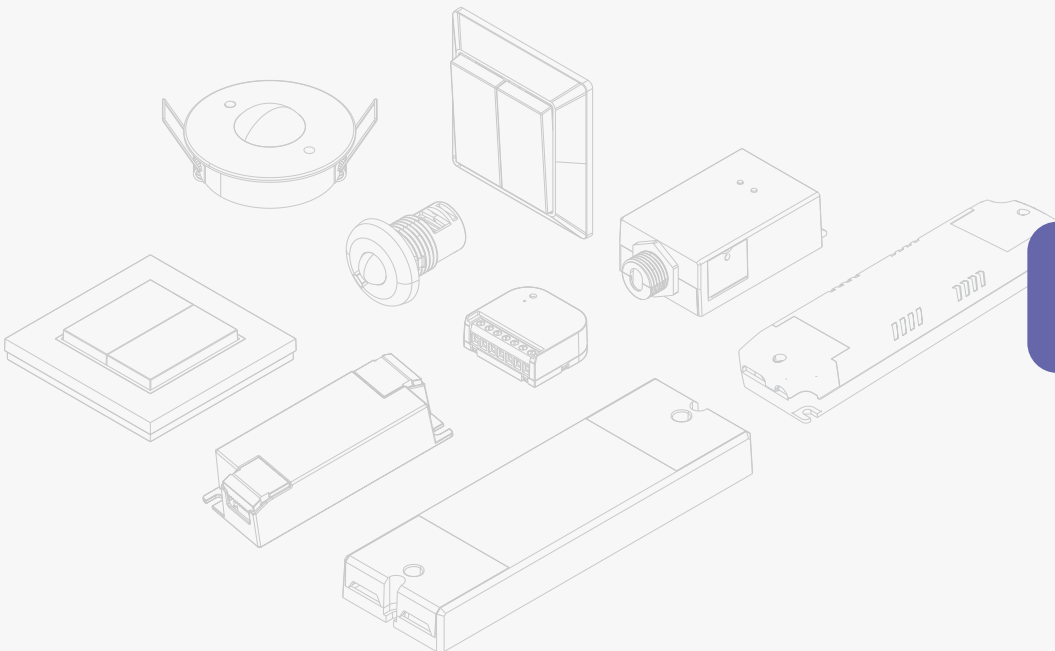


SIG Mesh Bluetooth[®]
System
2026



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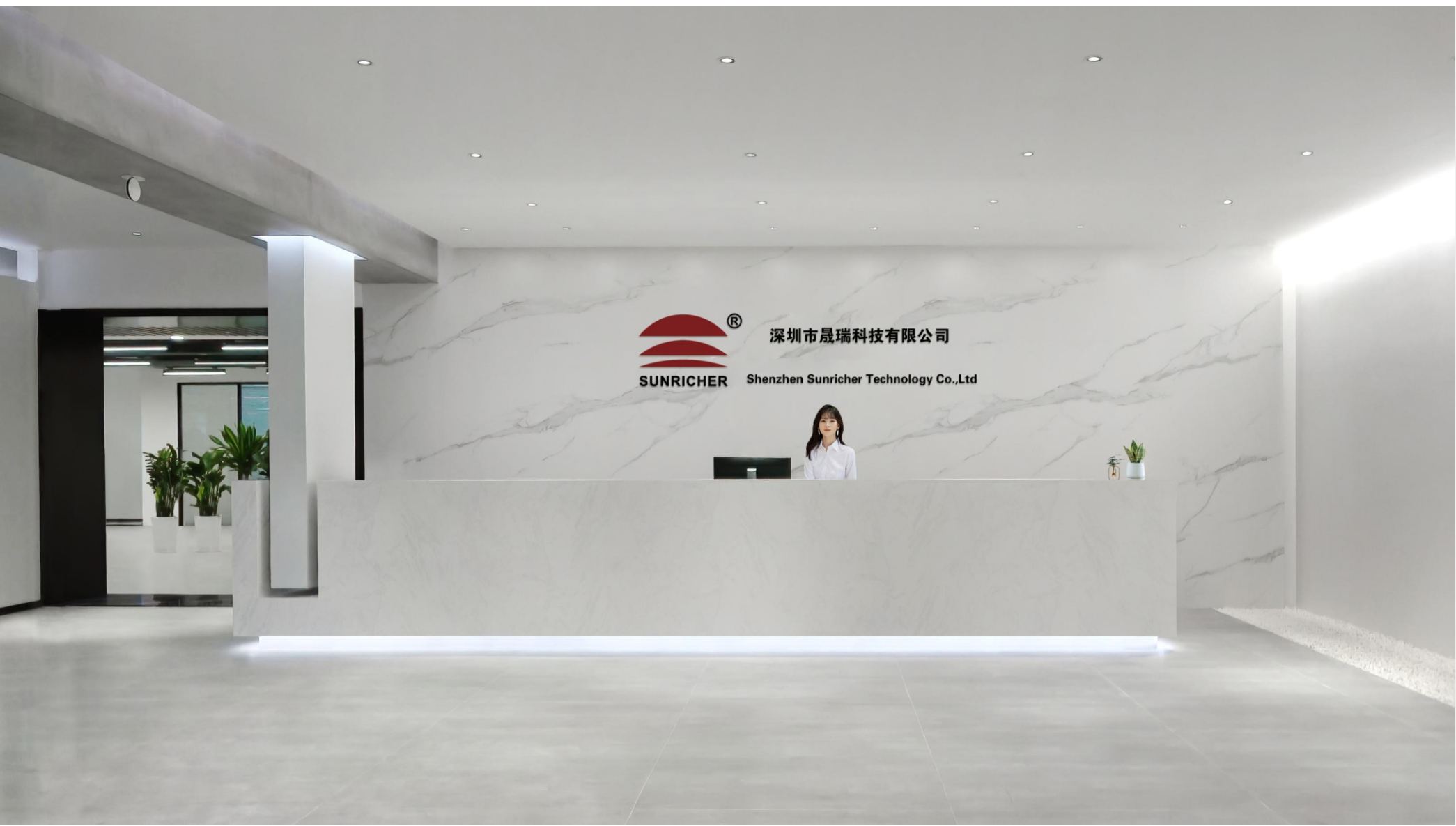


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About Sunricher



Shenzhen Sunricher Technology Co., Ltd. has specialized in wired and wireless lighting control systems for over 20 years. Our innovative, high-quality products serve commercial, industrial, and smart home lighting applications.

As a preferred ODM/OEM partner for leading global brands, we excel in lighting control and IoT technologies, including DALI, DMX512, KNX, Zigbee, Matter, Bluetooth, Wi-Fi, and RF. Sunricher is a member of the DALI Alliance, KNX Association, CSA, Bluetooth SIG, Zhaga Consortium, Thread Group, LoRa Alliance, and IWBI.

- We provide:
- Experienced R&D driving innovative designs
 - Efficient production with strict quality control
 - Prompt after-sales support
 - Global certifications:
UL, TUV, CE, ENEC, GS, CCC, RCM, FCC, PSE, RoHS
 - Patented designs and certified technologies:
DALI-2, KNX, Zigbee 3.0, Matter, Bluetooth





NEW

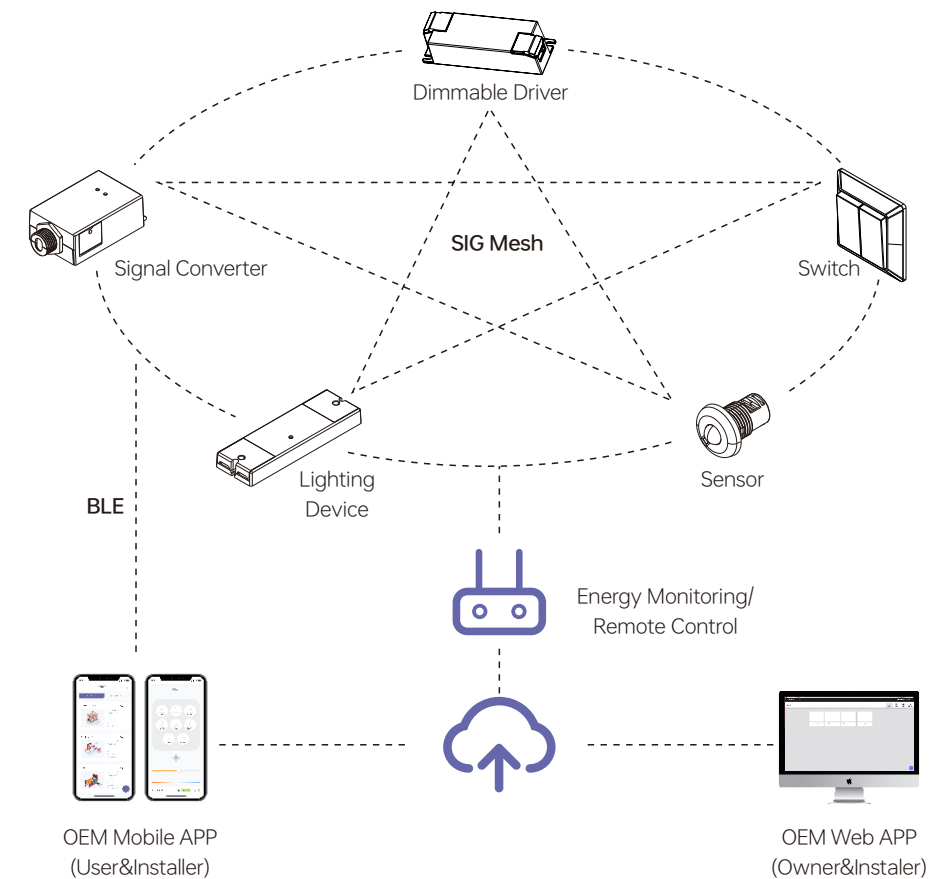
SIG Mesh SunSmart

SunSmart

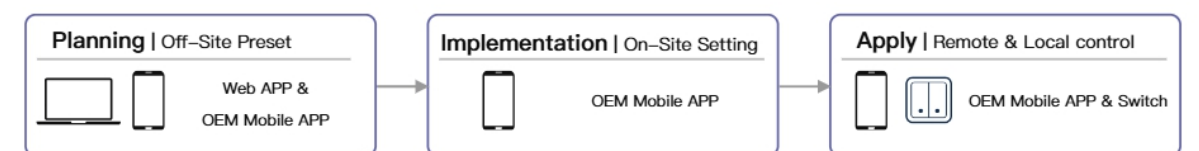
SIG Mesh

System Structure: Commercial & Industrial Lighting Solution

As an innovative wireless lighting control solution, our SIG MESH system is especially suitable for office retrofitting projects and commercial lighting applications.



Project stages


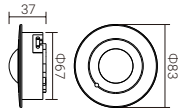

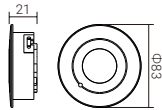



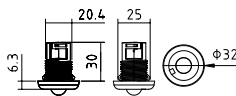

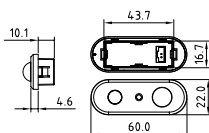
Feature


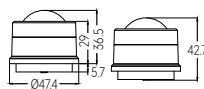

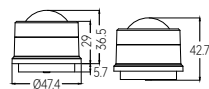
-  Suitable for small and medium projects
-  Guided pre-setting and quick configuration
-  Local setup and control without internet
-  SIG Mesh 1.1 Protocol
-  OEM APP customized

BLE PIR Sensor


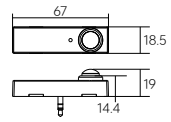

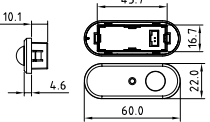
- > Configurable via the SunSmart app, it is a simple, smart wireless lighting solution for small to medium spaces
- > Support 0-10V output or DALI control
- > BLE sensor controller, PIR sensing with daylight harvesting function
- > Transforming light fixtures into wireless IoT-enabled building intelligence solutions
- > Bluetooth SIG Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- > In typical indoor environment, the range for wireless communication is 20m to 30m . Actual range is dependent on field installation
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDB

 		 		
Model	SR-BL9030A-PIR-V	Model	SR-BL9030B-PIR-LBV	SR-BL9030B-PIR-HBV
Input Voltage	12-24Vdc	Input Voltage	120-277Vac	120-277Vac
Dimming Output	20mA	Dimming Output	20mA	20mA
Detection Area	Φ8m@2.5m mounted height	Detection Area	Φ8m@2.5m mounted height	Φ24m@12m mounted height
Lux detection range	0-1000LUX, daylight harvesting	Lux detection range	0-1000LUX, daylight harvesting	0-1000LUX, daylight harvesting
Cutting Hole	Φ70-76mm	Cutting Hole	Φ70-76mm	Φ70-76mm
Application	ZLLC application	Application	ZLLC application	ZLLC application

 		 		
Model	SR-BL9032A-PIR-V	Model	SR-BL9032A-PIR-D	SR-BL9035A-PIR-D
Input Voltage	12-24Vdc	Input Voltage	DALI BUS	DALI BUS
Current	20mA output	Current	Max.30mA Current draw	Max.30mA Current draw
Detection Area	Φ5m@2.5m mounted height	Detection Area	Φ5m@2.5m mounted height	Φ5m@2.5m mounted height
Lux detection range	0-1000LUX, daylight harvesting	Lux detection range	0-1000LUX, daylight harvesting	0-1000LUX, daylight harvesting
Cutting Hole	Φ22.2-22.3mm,T0.7mm	Cutting Hole	Φ22.2-22.3mm,T0.7mm	L(44mm)*W(17mm)*T(0.7mm)
Application	LLC application,ZHAGA 20, Troffer,Panel,Linear,Wrap lights	Application	LLC application,ZHAGA 20, Troffer,Panel,Linear,Wrap lights	LLC application,ZHAGA 20, Troffer,Panel,Linear,Wrap lights


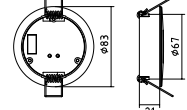

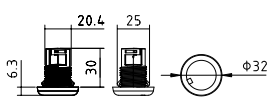

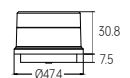

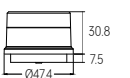
 		 		
Model	SR-BL9033A-PIR-V	Model	SR-BL9033Z-PIR-V	SR-BL9033J-PIR-V
Input Voltage	12-24Vdc	Input Voltage	12-24Vdc	12-24Vdc
Dimming Output	20mA	Dimming Output	20mA	20mA
Detection Area	Φ16m@12m mounted height	Detection Area	Φ16m@12m mounted height	Φ16m@12m mounted height
Lux detection range	0-1000LUX, daylight harvesting	Lux detection range	0-1000LUX, daylight harvesting	0-1000LUX, daylight harvesting
Interface Socket	ZHAGA 18 socket	Interface Socket	Z-10 socket	3-Pin socket
Application	LLC application,IP65 Street lights / Low / High-bay	Application	LLC application,IP65 Street lights / Low / High-bay	LLC application,IP65 Street lights / Low / High-bay

BLE PIR Sensor

 		 	
Model	SR-BL9035AJ-PIR-V	Model	SR-BL9035J-PIR-V
Power	12-24Vdc	Power	12-24Vdc
Output Signal	0/1-10V signal	Output Current	0/1-10V:Max. 20mA
Mounting Height	2.5m	Mounting Height	2.5m
Detection Area	Φ5m at 2.5m height	Detection Area	5m@2.5m
Interface Socket	3.5mm Audio-Jack	Application	2.5mm Audio-Jack


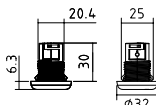

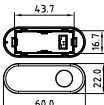

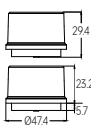

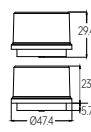
BLE Microwave Sensor

- > Configurable via the SunSmart app, it is a simple, smart wireless lighting solution for small to medium spaces
- > Transforming light fixtures into wireless IoT-enabled building intelligence solutions
- > 0-10V BLE sensor controller, Microwave sensing with daylight harvesting function
- > Bluetooth SIG Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- > In typical indoor environment, the range for wireless communication is 20m to 30m . Actual range is dependent on field installation
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDB

 		 	
Model	SR-BL9030A-MW-V	Model	SR-BL9032A-MW-V
Input Voltage	12-24Vdc	Input Voltage	12-24Vdc
Dimming Output	20mA	Dimming Output	20mA
Detection Area	Φ12m@2.5m mounted height	Detection Area	Φ10m@2.5m mounted height
Lux detection range	0-1000LUX, daylight harvesting	Lux detection range	0-1000LUX, daylight harvesting
Cutting Hole	Φ70-76mm	Cutting Hole	Φ22.2-22.3mm,T0.7mm
Application	ZLLC application	Application	LLC application,ZHAGA 20,Troffer,Panel,Linear,Wrap lights
 		 	
Model	SR-BL9033A-MW-V	Model	SR-BL9033P-MW-V
Input Voltage	12-24Vdc	Input Voltage	12-24Vdc
Dimming Output	20mA	Dimming Output	20mA
Detection Area	Φ16m@12m mounted height	Detection Area	Φ16m@12m mounted height
Lux detection range	0-1000LUX,daylight harvesting	Lux detection range	0-1000LUX,daylight harvesting
Interface Socket	ZHAGA 18 socket	Interface Socket	3-Pin socket
Application	LLC application, IP65 Street lights / Low / High-bay	Application	LLC application, IP65 Street lights / Low / High-bay



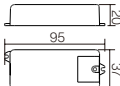
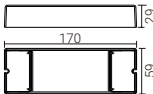
Bluetooth to 0-10V Controller


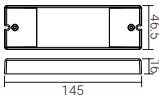
- > Configurable via the SunSmart app, it is a simple, smart wireless lighting solution for small to medium spaces
- > Transforming light fixtures into wireless IoT-enabled building intelligence solutions
- > Bluetooth to 0-10V or DALI output control
- > Bluetooth SIG Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- > In typical indoor environment, the range for wireless communication is 20m to 30m. Actual range is dependent on field installation
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDB

							
Model	SR-BL9032A-V	SR-BL9032A-D		Model	SR-BL9035A-V		
Input Voltage	12-24Vdc	DALI BUS		Input Voltage	12-24Vdc		
Current	20mA output	Max.30mA Current draw		Current	20mA output		
Cutting Hole	Φ22.2-22.3mm,T0.7mm	Φ22.2-22.3mm,T0.7mm		Cutting Hole	L(44mm)*W(17mm)*T(0.7mm)		
Application	LLLC application, ZHAGA 20 Troffer, Panel, Linear, Wrap lights	LLLC application, ZHAGA 20 Troffer, Panel, Linear, Wrap lights		Application	LLLC application, ZHAGA 20 Troffer, Panel, Linear, Wrap lights		
							
Model	SR-BL9033A-V	SR-BL9033Z-V		Model	SR-BL9033P-V	SR-BL9033J-V	
Input Voltage	12-24Vdc	12-24Vdc		Input Voltage	12-24Vdc	12-24Vdc	
Current Draw	20mA	20mA		Current Draw	20mA	20mA	
Cutting Hole	ZHAGA 18 socket	ZHAGA 18 socket		Cutting Hole	ZHAGA 18 socket	ZHAGA 18 socket	
Application	LLLC application, IP65, Street lights / Low/High-bay	LLLC application, IP65, Street lights / Low/High-bay		Application	LLLC application, IP65, Street lights / Low/High-bay	LLLC application, IP65, Street lights / Low/High-bay	

Bluetooth DC-DC Controller


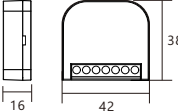
- > Configurable via the SunSmart app, it is a simple, smart wireless lighting solution for small to medium spaces
- > DC-DC Bluetooth SIG Mesh LED Controller
- > Bluetooth SIG Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- > In typical indoor environment, the range for wireless communication is 20m to 30m . Actual range is dependent on field installation
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDB

			
			
Model	SR-BL9101CS	Model	SR-BL9101EA-5C
Input Voltage	12-48Vdc	Input Voltage	12-48Vdc
Output Current	8A*1CH	Output Current	4-8A*5CH
Output Power	96-288W@12-36Vdc, 192W@48Vdc	Output Power	96-216W/CH
Application	Strip Light	Application	Strip Light

			
Model	SR-BL1029-SS-2PIN	Model	SR-BL1029-SS-5C
Input Voltage	12-24Vdc	Input Voltage	12-24Vdc
Output Current	5A*2CH	Output Current	4A*5CH
Output Power	60-120W	Output Power	48-96W/CH
Application	Strip Light	Application	Strip Light


Micro Smart Dimmer

- > 100-240VAC Wide Input and Output Voltage
- > 1 Channel Output, Up to 250W
- > Supports resistive loads, capacitive loads or inductive loads
- > Input and Output with Screw Terminals, Safe and Reliable
- > Enables to control ON/OFF and light intensity of connected light source
- > Mini Size, Easy to be Installed into a standard 86*86mm wall box


			
Model	SR-BL9041-D-PUSH	Model	SR-BL9041-D-PUSH
Input Voltage	100-240Vac	Input Voltage	100-240Vac
Output Current	0.1-1.1A max.	Output Current	0.1-1.1A max.
Output Power	250W max. for Incandescent, 200W max. for LED	Output Power	250W max. for Incandescent, 200W max. for LED
Wiring Mode	L, N or Only L	Wiring Mode	L, N or Only L

Bluetooth to 0-10V Converter

- > Configurable via the SunSmart app, it is a simple, smart wireless lighting solution for small to medium spaces
- > Transforming light fixtures into wireless IoT-enabled building intelligence solutions
- > Bluetooth to 0-10V signal converter, with Relay function
- > Bluetooth SIG Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- > In typical outdoor environment, the range for wireless communication is about 65meters.Actual range is dependent on field installation
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDB
- > IPEX antenna




Model	SR-BL2421-SVVT(SS)
Input Voltage	100-277Vac
Output,0/1-10V	Max.20mA
Output,Relay	Max.20A
Interface Socket	1/2" Knockout
Application	LLLC, ZLLC, Fixture installation, Plugload



Model	SR-BL2421-5A-AUX
Input Voltage	100-277Vac
Output,0/1-10V	Max.20mA
Output,Relay	Max.5A, 3rd Party sensor:Support, Aux Power:24Vdc, Max.50mA
Interface Socket	1/2" Knockout
Application	LLLC, ZLLC, Fixture installation, Plugload

Self-powered/Battery-powered Push Button

- > Configurable via the Sunsmart app, it is a simple, smart wireless lighting solution for small to medium spaces
- > Configuration can be completed after scanning the QR code to bind.
- > BLE protocol, converted to SIG mesh communication after binding proxy node
- > Self-powered/battery-powered
- > The communication range between the switch and the proxy node is up to 15 meters



Model	SR-SBP2801K4-BLE
Power Supply	Self powered by built-in nano generator
Transmission Frequency	2.4GHz
Fuction	ON/OFF, Dimming, Bind 2 custom scenes
Application	Room control, Multiple group control

Model	SR-SBP2801K4-BLE-E
Power Supply	3Vdc;CR2430
Transmission Frequency	2.4GHz
Fuction	ON/OFF, Dimming, Bind 2 custom scenes
Application	Room control, Multiple group control

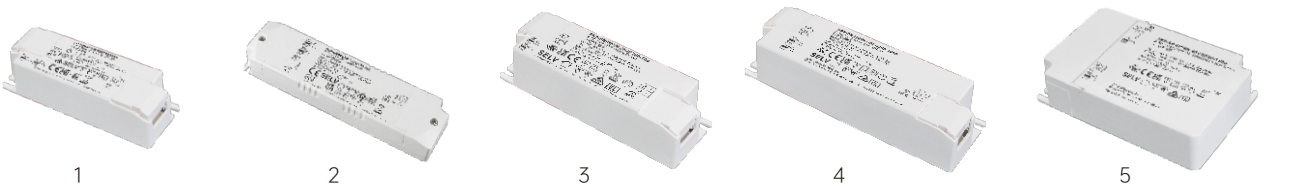
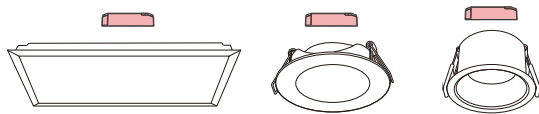
NFC Constant Current Dimmable Driver

Product Features

- > Configurable via the SunSmart app
 - > SIG Mesh wireless LED dimmable driver
 - > Only for excellent products: high PF, high efficiency, low THD
 - > Minimum current can be set to 0.1mA(step accuracy)
 - > CLO(constant lumen output)
 - > EL (emergency mode)
- > ±1% current accuracy, world-leading
 - > Flicker free, no fear of any camera shooting/recording
 - > Global high-end certifications(CCC /TUV ENEC / RCM / CE...)
 - > Ultra-full NFC settings, flexible and free
 - > Freely set light-on/light-off fade time

Standalone Application

Suitable for spotlights, downlights, panel lights, and other lights using external drivers.



Product Model	Product Picture	Input Voltage VAC/VDC	Output Voltage VDC	Output Current mA	Channel CH	Output Power W	Power Factor	Efficiency	Dimension mm
SRP-BL9105N-10CC100-500	1	220-240	3-42	100-500	1	10	>0.94	80%	101*36*25
SRP-BL9105N-12CC100-700	2	220-240	6-42	100-700	1	12	>0.97	80%	135*35*20
SRP-BL9105N-15CC100-700	2	220-240	6-42	100-700	1	15	>0.97	82%	135*35*20
SRP-BL9105N-25CC250-700	3	220-240	6-54	250-700	1	25	>0.97	85%	120*41*28
SRP-BL9105N-36CC350-1050	4	220-240	6-54	350-1050	1	36	>0.95	86%	145*45*30
SRP-BL9105N-45CC500-1400	4	220-240	6-54	500-1400	1	45	>0.98	89%	145*45*30
SRP-BL9105N-65CC500-1500	5	220-240	6-54	500-1500	1	65	>0.98	90%	124*78.8*30

Product Model	Product Picture	Input Voltage VAC/VDC	Output Voltage VDC	Output Current mA	Channel CH	Output Power W	Power Factor	Efficiency	Dimension mm
SRP-BL9105N-10CCT100-500	1	220-240	3-42	100-500	2	10	>0.94	80%	101*36*25
SRP-BL9105N-12CCT100-700	2	220-240	6-42	100-700	2	12	>0.97	80%	135*35*20
SRP-BL9105N-15CCT100-700	2	220-240	6-42	100-700	2	15	>0.97	82%	135*35*20
SRP-BL9105N-25CCT250-700	3	220-240	6-54	250-700	2	25	>0.97	85%	120*41*28
SRP-BL9105N-36CCT350-1050	4	220-240	6-54	350-1050	2	36	>0.95	86%	145*45*30
SRP-BL9105N-45CCT500-1400	4	220-240	6-54	500-1400	2	45	>0.98	89%	145*45*30
SRP-BL9105N-65CCT500-1500	5	220-240	6-54	500-1500	2	65	>0.98	90%	124*78.8*30