



45W Dimming Controller



Description:

1. Dimming interface: RF remote control, bluetooth MESH network control, ZIGBEE remote control;
2. PWM dimming, soft, fine and smooth, and the LED CRI won't be changed;
3. Dimming range 0-100%;
4. Wide current, multiple voltage amplitude, match various a variety of lamp;
5. Output short-circuit, over-current, over-temperature protection;
6. Suitable for indoor LED lighting environment.

Features:

1. Max. control distance of remote controller can be up to 50m (in open condition);
2. Smooth surface, feel comfortable;
3. One remote controller can control multiple sets of controller;
4. Realize intelligent full control of whole set of lamp;
5. Control performance of blue APP is stable, which is controlled by MESH network;
6. ZIGBEE control can realize real-time monitoring, remote operation.



Technical parameters:

Working voltage:100-277V(AC)	Working temperature range: -30℃-55℃
Max.power : 45W	Packing dimension of remote controller :L120*W70*H22mm
Output channel:1channel/2 channels/3 channels	Packing dimension of controller:L166*W52*H32mm
Control type : Monochromatic lamp/neutral warm white lamp/RGB lamp	Packing weight of controller PSU: 190g
	Controller+packing weight of remote controller (gross weight): about 235g
RF frequency: 2.4GHz	Outer carton dimension :407*304.5*298mm
Receiving sensitivity: -96dBm	Remote controller+packing qty.of controller: 30 pieces
Transmitted power: 6dBm	Controller+shipping weight of remote controller (gross weight): about 7.75Kg
Control distance : 50m(in open condition)	
Working environment: indoor	Remote controller+shipping qty.of controller: 30 pieces
Waterproof level :IP20	Shipping weight(gross weight) of controller:about 6.4Kg

Product classification:

(A). 1.1A Constant current

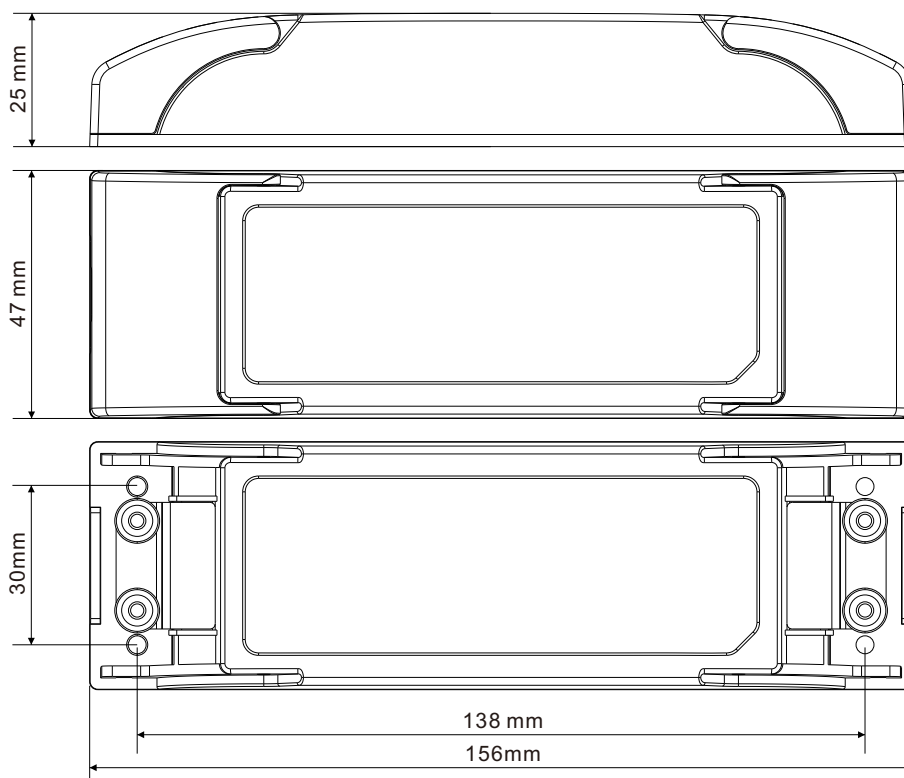
Model Parameters	LD-045-AW-01(W)	LD-045-AW-02(W)	LD-045-AW-03(W)
	LD-045-AW-04(W/WW)	LD-045-AW-05(W/WW)	LD-045-AW-06(W/WW)
	LD-045-AW-07(RGB)	LD-045-AW-08(RGB)	LD-045-AW-09(RGB)
Version	RF version	Bluetooth version	ZIGBEE version
Input voltage	AC100-277V	AC100-277V	AC100-277V
Output channel	One/double/three channels	One/double/three channels	One/double/three channels
Output current	CC:1.1A±3%	CC:1.1A±3%	CC:1.1A±3%
Output power	45W	45W	45W
Protection grade	IP20	IP20	IP20
Remote distance	50m (in open condition)	30m	Networking long-range control
With controller or not	Yes	No	No
Color type	W LED strip lamp, W/WW LED strip lamp, RGBW LED strip lamp		



(B). 24V Constant voltage

Model Parameters	LD-045-AW-10(W)	LD-045-AW-11(W)	LD-045-AW-12(W)
	LD-045-AW-13(W/WW)	LD-045-AW-14(W/WW)	LD-045-AW-15(W/WW)
	LD-045-AW-16(RGB)	LD-045-AW-17(RGB)	LD-045-AW-18(RGB)
Version	RF version	Bluetooth version	ZIGBEE version
Input voltage	AC100-277V	AC100-277V	AC100-277V
Output channel	One/double/three channels	One/double/three channels	One/double/three channels
Output voltage	CV:24V±3%	CV:24V±3%	CV:24V±3%
Output power	45W	45W	45W
Protection grade	IP20	IP20	IP20
Remote distance	50m (in open condition)	30m	Networking long-range control
With controller or not	Yes	No	No
Color type	W LED strip lamp, W/WW LED strip lamp, RGBW LED strip lamp		

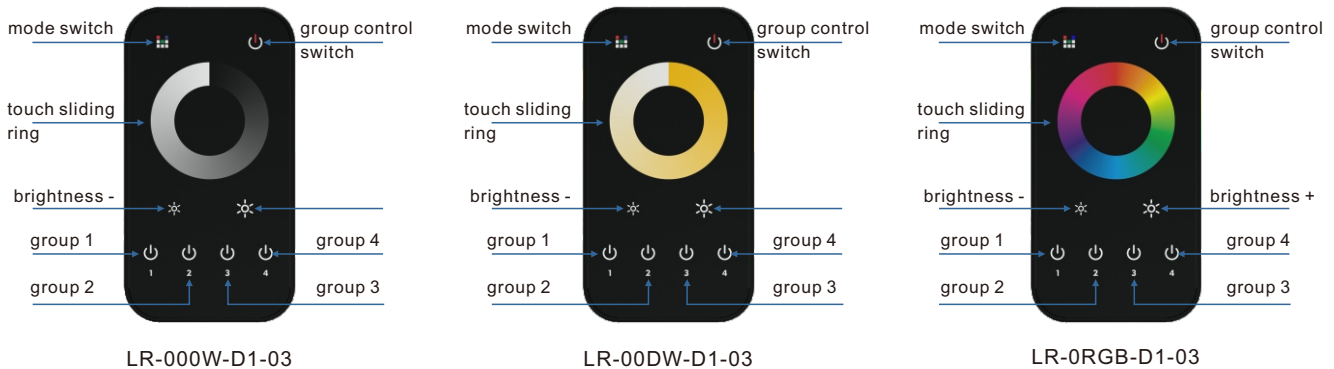
Dimension(mm):










Key function description of remote controller:

1. Remote control key instructions:

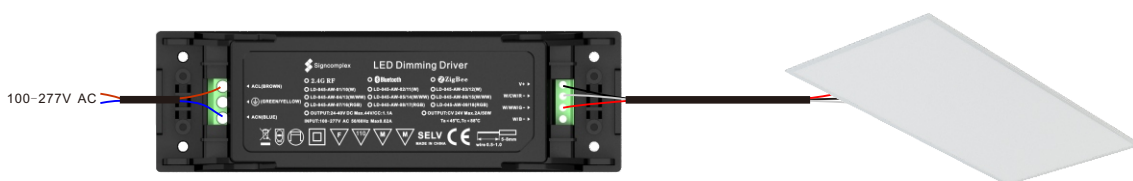


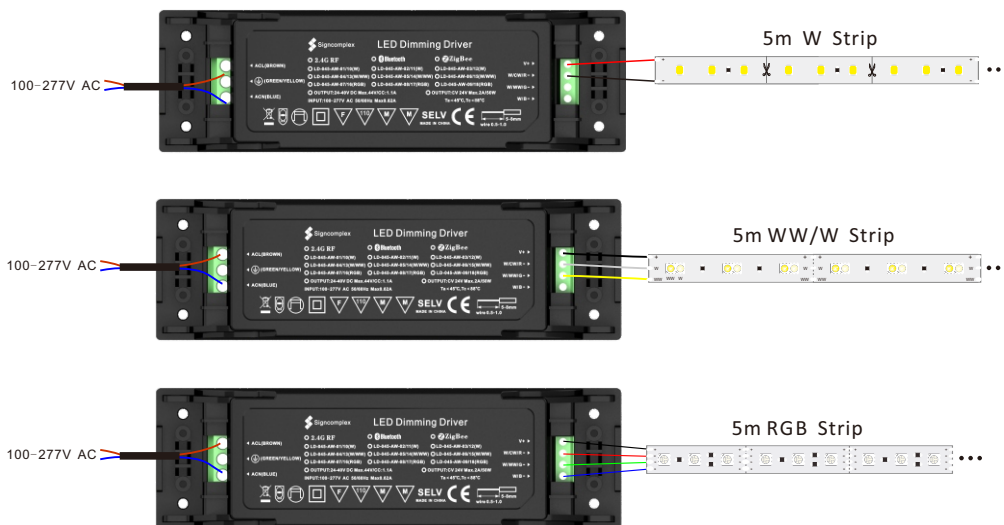
- 2:(1) Power off;
- (2) Power on controller again;
- (3) Press any key to be matched in 5 seconds, match finish.

3. Matching steps of remote controller

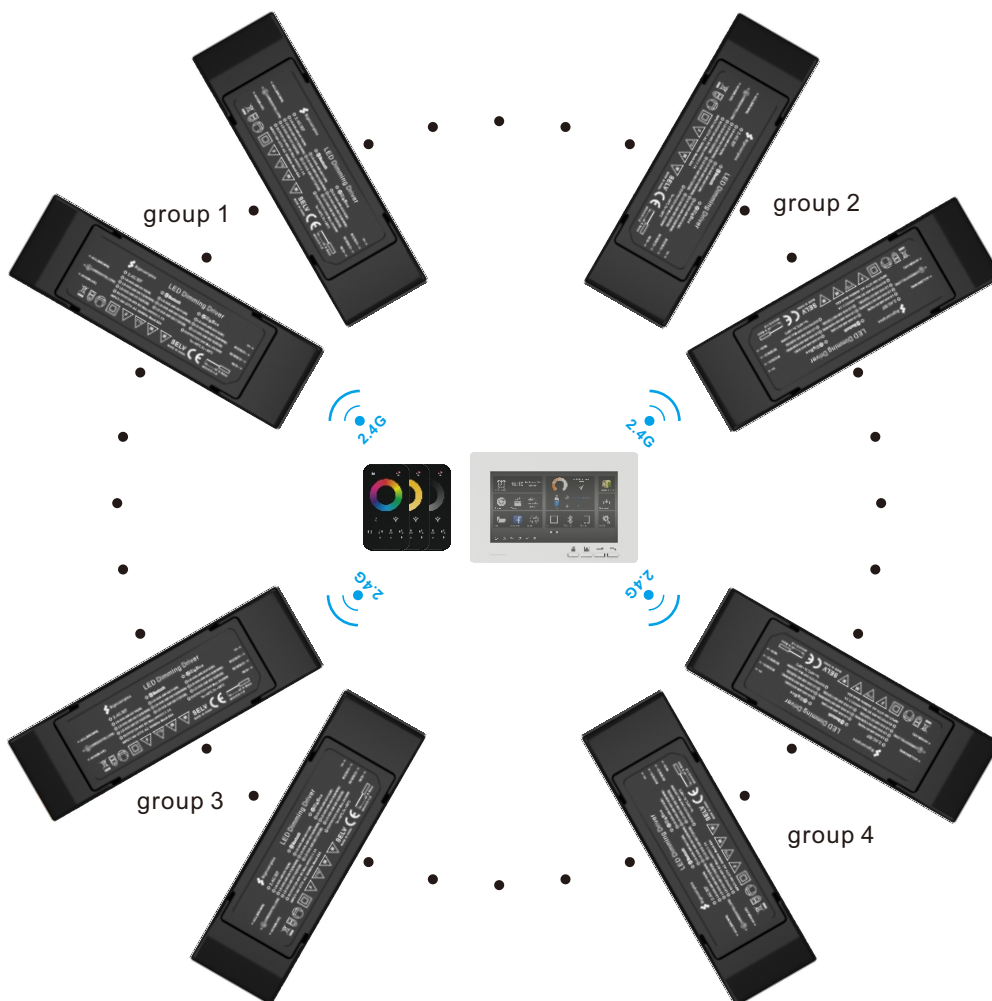
- (1) Power on the first controller, touch  on remote controller in 5 seconds, then remote controller and the first controller are matched the first group; if you want to add more controllers in the group, just repeat above operation.
- (2) Get the second controller, power on, touch  on remote controller in 5 seconds, then the remote controller and the second controller are matched the second group; if you want to add more controllers in the group, just repeat above operation.
- (3) There are 4 groups of controller, if you want to control the first group, only touch , then you can perform dimming operation on the first group; if you want to control the second group, only touch , then you can perform dimming operation on the second group; if you want to control group1, group2,group3,group4 together, touch , then you can perform dimming operation on all controllers of the 4 groups.

Wiring diagram:





Group display drawing:





! Notice:

1. The controller must be installed by professionals;
2. When installing the controller, first power off, then connect LED products with controller, after doing the right, then power on it;
3. The product is non-waterproof, please install and use it in dry environment;
4. Good cooling conditions will extend lifetime of controller, please install the product in well-ventilated environment;
5. Ensure input voltage conform to voltage range requirement of product;
6. Wire size used must be sufficient load connected and make sure wires are securely connected;
7. Before power on, ensure all wires are correctly connected to avoid lamps damage caused by wrong wiring;
8. If a failure occurs, don't repair without permission, please contact the manufacturer.