

USER GUIDE  
FOR  
LD99 SIERE  
LD33 SIERE

Single color strip

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# LED Great Wall STRIP

## **Waterproof flexible LED strip for indoor and outdoor uses**

This flexible LED strips is designed as a lighting solution for reverse halo, small channel letter lighting, cove lighting, light box illumination as well as architectural applications

### **VERSATILE CONSTRUCTION**

This robust strip was designed to fit into cove lighting and a variety of hide places and architectural applications. The rugged design provides the user increased flexibility with LED spacing to achieve optimal light output.

### **EXCELLENT APPEARANCE**

By combining high-brightness LEDs with advanced thermal management design, this patent-pending device provides outstanding light and color uniformity across a variety of lighting applications.

### **SIMPLE INSTALLATION**

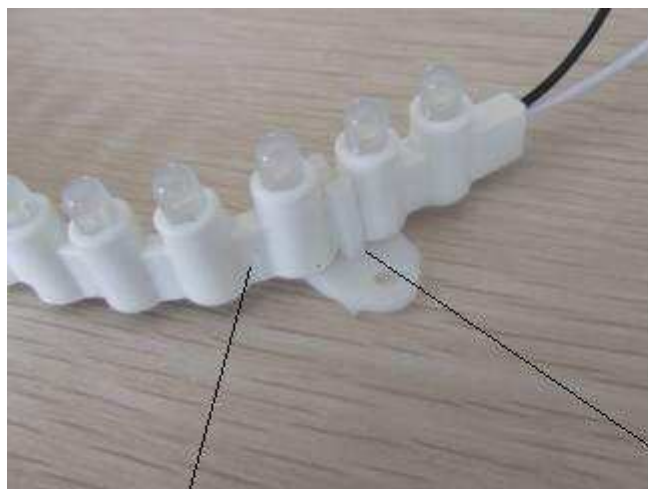
This low-voltage (12V DC) strip goes with its own specially desgined clip, easy and fast to install, every three LEDs can be cut as a section to determine the length that needed.

### **REDUCED MAINTENANCE AND SERVICE**

Durable, impact resistant construction provides long life, while contributing to the strip's superior cold weather operation and performance compared to neon lighting. This long life advantage and its low-voltage operation helps reduce maintenance costs.

### **ENERGY EFFICIENT**

Features a low energy consumption of Max. 2.2W, 6.6W for 1 meter long



be cut every 3leds at cutting mark

plastic clip with 3M tape on the back

## APPLICATIONS

small channel letter, reverse halo, cove lighting etc



Small channel letter



reverse halo

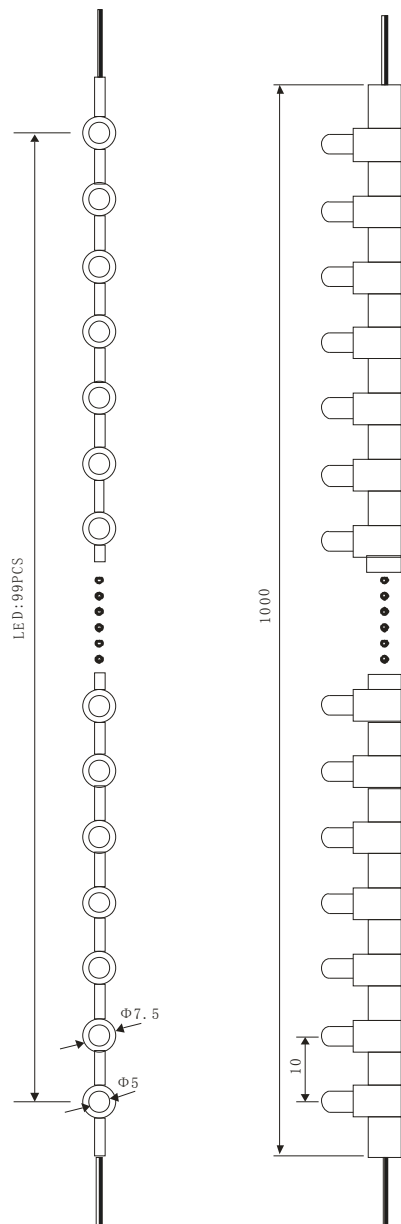


halo-lit

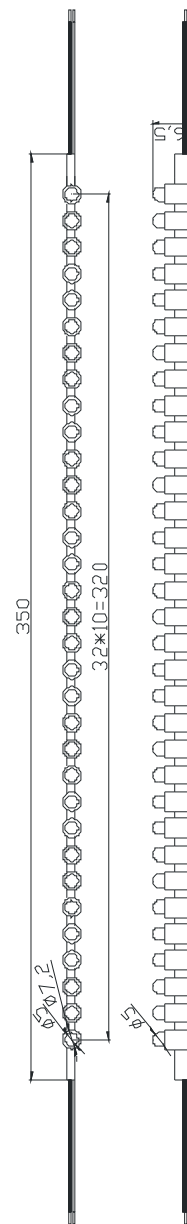


cove lighting

## DIMENSION:

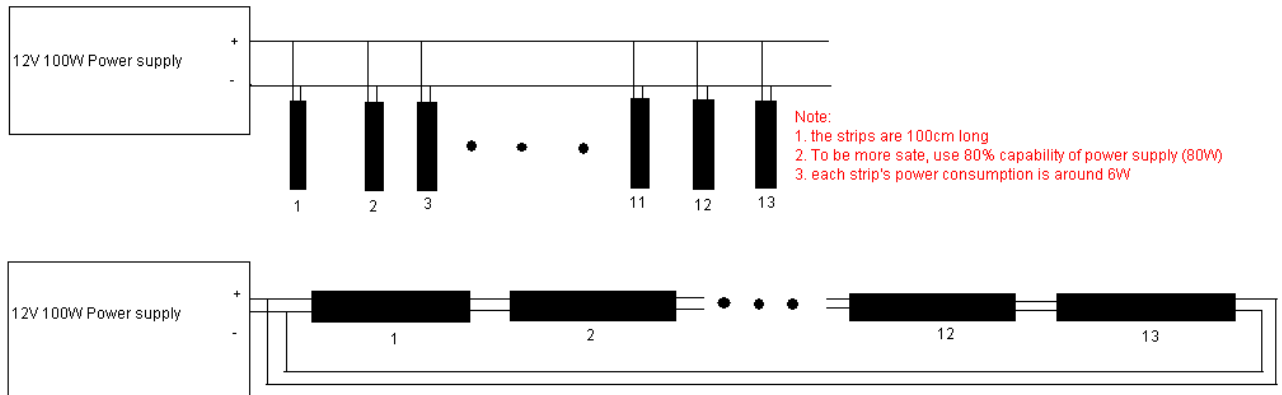


LD99 SERIES



LD33 SERIES

## CONNECTIONS:






- Note:  
 1. the strips used above are 1 meter long  
 2. advised to use 80% capability of power supply (80W)  
 3. in order to make the current go through the circuit smoothly, run a turning back circuit to the V+ and V- of power supply  
 4. How to choose proper power supply? Power supply Rated x 80% = each strip power consumption x strip quantity installed


## PRODUCT SPECIFICATIONS:

Part No. Parameter	LD99-SW5-W	LD99-SW5-R	LD99-SW5-Y	LD99-SW5-G	LD99-SW5-B
Emitting Color	White	Red	Yellow	Green	Blue
Wavelength	3000K-10000K	625nm	588nm	515nm	465nm
Chip material	InGaN	AlGaInP	AlGaInP	InGaN	InGaN
LED quantity	99	99	99	99	99
Voltage(V DC)	12V	12V	12V	12V	12V
Current ( mA)	480mA	600mA	600mA	480mA	480Ma
Power consumption	6.6W	7.8W	7.8W	6.6W	6.6W
Viewing angle(degree)	120	120	120	120	120
Luminous intensity	130lm	50lm	48lm	140lm	30lm
Continuous connection	33ft	33ft	33ft	33ft	33ft
Weight (g)	100g	100g	100g	100g	100g
Size(inch)	39.4x0.65x0.28	39.4x0.65x0.28	39.4x0.65x0.28	39.4x0.65x0.28	39.4x0.65x0.28
certificate	UL,CE,RoHS	UL,CE,RoHS	UL,CE,RoHS	UL,CE,RoHS	UL,CE,RoHS
IP rated	IP67	IP67	IP67	IP67	IP67
Qty per carton (19.7x13.8x17.7in)	200pcs	200pcs	200pcs	200pcs	200pcs
Limited warranty	2years	2years	2years	2years	2years

Part No. Parameter	LD33-SW5-W	LD33-SW5-R	LD33-SW5-Y	LD33-SW5-G	LD33-SW5-B
Emitting Color	White color	Red color	Yellow color	Green color	Blue color
Wavelength	3000K-10000K	625nm	588nm	515nm	465nm
Chip material	InGaN	AlGaInP	AlGaInP	InGaN	InGaN
LED quantity	33	33	33	33	33
Voltage(V DC)	12V	12V	12V	12V	12V
Current (mA)	160mA	200mA	200mA	160mA	160mA
Power consumption	2.2W	2.6W	2.6W	2.2W	2.2W
Viewing angle	120 degree	120 degree	120 degree	120 degree	120 degree
Luminous intensity	40lm	17lm	16lm	45lm	10lm
Continuous connection	33ft	33ft	33ft	33ft	33ft
Weight (g)	35g	35g	35g	35g	35g
Size(inch)	13.8x0.65x0.28	13.8x0.65x0.28	13.8x0.65x0.28	13.8x0.65x0.28	13.8x0.65x0.28
certificate	CE, UL, RoHS	CE, UL, RoHS	CE, UL, RoHS	CE, UL, RoHS	CE, UL, RoHS
IP rated	IP67	IP67	IP67	IP67	IP67
Qty per carton (19.7x13.8x17.7in)	800pcs	800pcs	800pcs	800pcs	800pcs
Limited warranty	2years	2years	2years	2years	2years

### ACCESSORY OPTIONS:

Picture Part No.	Output	Current	Size (inch)	Weight	package	Continuous connection
	12V 30W	2.5A	8.3*1.4*1.0	250g	50PCS/Carton; carton size: 12.8*10*7.7in.	3pcs LD99 series; 10pcs LD33 series
	12V 60W	4A	7*2.7*1.7	800g	10PCS/Carton; carton size: 12.4*9*7.3in.	6pcs LD99 series; 20pcs LD33 series
	12V 150W	12.5A	9.3*5*2.3	2350g	5PCS/Carton; carton size: 17.2*11.9*7.3in	16pcs LD99 series; 50pcs LD33 series

	Plastic clip	-----	25x15x15	3g	1000pcs/bag	
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### **INSTALLATION GUIDE:**

Very easy to install, there are JUST 6 steps you should follow

1. clean the place where you will install strips
2. layout the strips evenly
3. peel off the 3M adhesive tape on the back of plastic clip
4. stick onto the smooth surface mounted
5. fix the clip with screws
6. attach strips into the clips

**NOTE:** All electrical connections should be made within the letter.

**NOTE:** If connectors needed to be waterproof, please stick silicon gel onto the junctions between strips. Never make the connector exposure to the public.

### **TROUBLESHOOTING:**

ALL FLEXIBLE LED STRIPS ARE TESTED BEFORE BEING BOXED AND SHIPPED. IF YOU SHOULD HAVE A UNIT THAT IS NOT LIGHTING. IT IS ALMOST ALWAYS DUE TO A FAULTY CONNECTION, OR BY HAVING THE POLARITY OF THE UNIT BACKWARDS. RECHECK ALL WORK TO, AND FROM THAT UNIT. YOU WILL FIND THAT 999% OF THE TIME IT IS ONE OF THESE TWO THINGS.

symptom	reason	Solutions
LED blinking	Poor connection	Re-connection
	Over loaded	Decrease lighings or increase power supply
Light box has low brightness	Lightings' number exceeds allowed.	Decrease lighings or increase power supply
	Input volate of lighting is not the same as output of power supply	Replace power supply
Part LEDs not lighting	Polarity backward	Re-wire and connection
	Not full connection	Re-wire and connection
All LEDs not lighting	No output from powre supply	Check power supply or change power supply
	Polarity backward	Re-wire and connection