

TECHNICAL DATA SHEET HIGH VOLTAGE STRIP LED



General information

• P/N	LLSHAFTCW-05	LLSHAFTCW-20	LLSHAFTCW-50
• Length	5m	20m	50m
• Led Type	Top LED 2835		
• Body material	FPC (Flexible Printed Circuit) + PVC		
• Environment	Indoor / Outdoor lighting		
• Typical application	Elevator / Lift shaft lighting, decorative light, Backlight, edge lighting		
• Storage Temperature	0 +60°C		
• Operating Temperature	- 20° +45 °C @ 40% ~ 70% RH		
• IP Protection Rate	IP65		

Electrical Specifications

• Power consumption	40 W / reel	145 W / reel	360 W / reel
• Input Voltage	220-240VAC @50/60HZ		
• Typical Operating Current	0,03 A/m		
• Supply cable	1,5m, 2x0.75mm2 with EU plug		

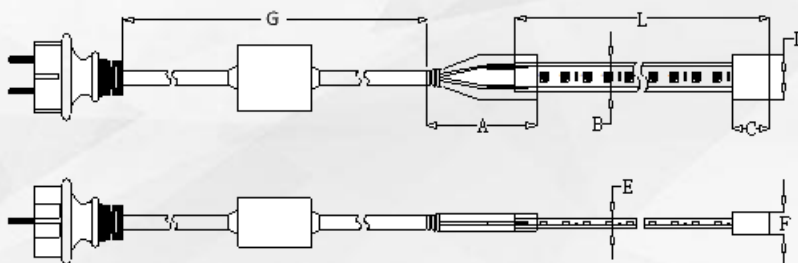
Lighting Specifications

• Luminous flux	615 lm/m
• Color temperature (CCT)	White 5700K ~ 6500K
• Beam Angle	120°
• Light source life	50.000 h (L70)

Notes:

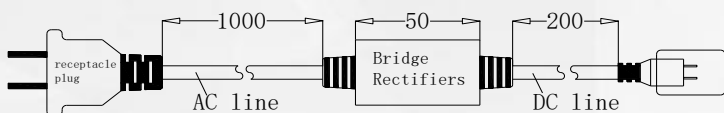
- ❑ The values indicated are referred to $T_a=25^{\circ}\text{C}$;
- ❑ +/-15% deviation for lighting and electricity parameter can be accepted
- ❑ The color temperature is the color temperature of LED, finished waterproof product may exist a little color shift

Dimensional Diagram:

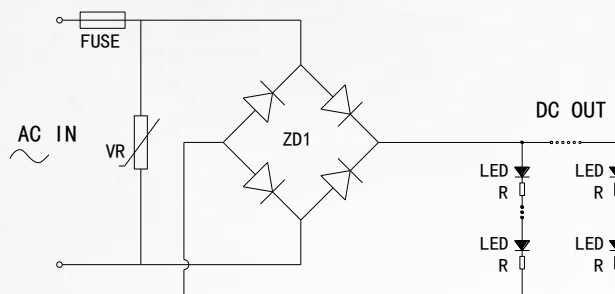
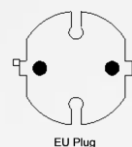


MODEL	A	B	C	D	E	F	G	L
LLSHAFTCW-05	60mm±0.5	11.3mm±0.3	20mm±0.5	15mm±0.5	7.5mm±0.2	11.5mm±0.5	1500mm±30	5m ±0,03
LLSHAFTCW-20	60mm±0.5	11.3mm±0.3	20mm±0.5	15mm±0.5	7.5mm±0.2	11.5mm±0.5	1500mm±30	20m ±0,05
LLSHAFTCW-50	60mm±0.5	11.3mm±0.3	20mm±0.5	15mm±0.5	7.5mm±0.2	11.5mm±0.5	1500mm±30	50m ±0,01

Circuit Diagram:



With the bridge cable plug (graphic unit: CM)



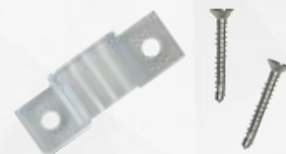
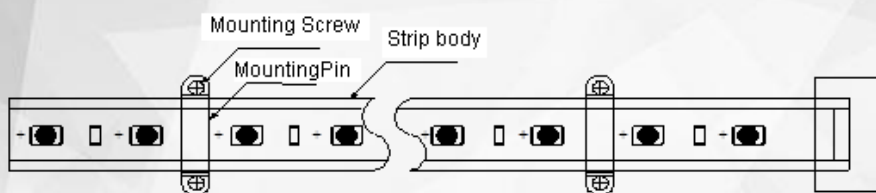
Installation diagram

Remarks:

Screw-wall mounting: suitable for installation on different surfaces, as illustrated below

Minimum bending diameter $\varnothing 100$ mm

The 230V striplight can only be powered up via its AC/DC rectifier already included

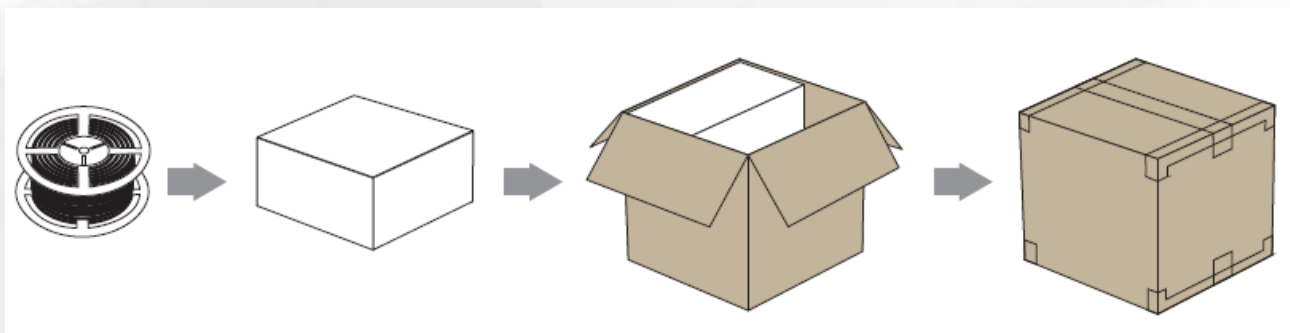


Packaging diagram

Each reel is packed in an individual white box, followed by a carton outside

Packaging includes:

- Mounting clips (2pcs/m)
- Mounting screws (4pcs/m)



MODEL	REEL PACKAGING	INNER BOX DIM.	No. REEL / INNER BOX	OTER BOX DIM.	No. REEL / OUTER BOX	NET WEIGHT	GROSS WEIGHT
LLSHAFTCW-05	254*45mm	270*255*53mm	1	280*240*283mm	4	0,62kg+/-10%	0,962Kg+/-10%
LLSHAFTCW-20	330*50mm	345*330*61mm	1	362*265*350mm	4	2,45Kg+/-10%	3,168Kg+/-10%
LLSHAFTCW-50	330*110mm	345*330*122mm	1	362*265*350mm	2	6,11Kg+/-10%	7,118Kg+/-10%

Recommendations

- 1) Ingress Protection IP65, which is the test result of laboratory, High voltage LED strip can be used around some places might be humid but can not be used underwater or direct contact with water for a long time.
- 2) It is prohibited to install the product in confined spaces, surface of hot source, inflammable and explosive environment, avoid contact with strong acid and strong base, must make sure good ventilation for the product.
- 3) Do not install the product in areas which are directly under sunshine, to avoid yellowing. Front cap and end cap can not be put or settled into water.
- 4) Be clear of the product power before use, make sure the power supply circuit do not overload. Circuit breaker should be set up in the electric circuit, such as: power socket with fuse, electricity leakage switch.
- 5) The input voltage of power supply must be stabilized with $\pm 5\%$ of rated voltage
- 6) The product cannot be twisted excessively, repeated twist will damage the inside FPC and electric circuit, the distortion angle must bigger than 45 degrees. The minimal bending diameter is 10cm.
- 7) The product must be installed by professionals or qualified person. Do not pull the power supply cable dramatically and pulling the product on the ground, avoid the product get scratched by sharp object.
- 8) It is prohibited to strike, crash or cover the product, press the surface of LED chips.
- 9) It is recommended to light up the product for 3-5 minutes before installing during extremely cold weather circumstances, in order to warm up and soften the product.
- 10) To prevent the risk of electric shock, it is not recommended to cut and to connect the High voltage LED. In any case cutting and connecting High voltage LED strip must be performed by professionals or qualified person, the product does not guarantee to remain IP65 level.
- 11) To ensure the product lifetime, it is recommended that the working time of flexible LED strip do not exceed 12 hours daily.
- 12) The storage temperature range: $0^{\circ}\text{C}\sim+60^{\circ}\text{C}$ or below, relative humidity: 40%~70% or below, storage life is three months.



CAUTIONS

- The power supply should be switch off before replacement or maintenance, avoid short circuit.
- Please be careful during operation, when the power source has been connected, directly touch the alternating current supply or high voltage LED strip body might cause electric shock or danger your safety.
- During the practical application, the power source should remain 20% capacity for extending the lifetime of power and LED strip.
- Install the product in proper environment, especially pay attention to ventilation and heat dissipation