

Specification

Checked	Approved
	Checked

Accepted	Confirmed	Approved

UL

CE

RoHS

2835 SMD

64/128 LEDS/M

LED Strip DC **24V** 1P **67** 5 years





Model: RD3264TC-A/RD32C8TC-A

5000*12mm, 320pcs 2835 SMD LEDs, half surrounding tube with silica gel injected series with high luminous efficacy, 24Vdc, constant voltage, waterproof LED flex strip 5000*12mm, 640pcs 2835 SMD LEDs, half surrounding tube with silica gel injected series with high luminous efficacy, 24Vdc, constant voltage, waterproof LED flex strip

Picture:



Features:

- Luminous efficacy 160lm/W, high efficiency and saving energy;
- Spectroscopic standard ERP, one BIN only, good color uniformity;
- 3oz pure copper PCB, small voltage difference between two ends;
- Strong oxidation resistance by silver;
- Silver-Tin pad design, easy soldering;
- O CE, ROHS, UL compliant

Applications:

Suitable for hotel, shopping mall, home, cabinet, show frame, etc. as main lighting, indirect lighting, cove lighting, contour lighting, decorative lighting, etc.

Warranty:

○ 5 years or 22,000 hours, whichever comes first.

Optical and Electrical Parameters:

	LED	Beam Luminous Luminous Work		Working	Working current g (mA)		Power (W)					
P/N	LED Color	CCT (K) WL (nm)	CRI	CM	Angle (°)	·	voltage (VDC)	1m [39.37 in]	5m [196.85 in]	1m [39.37 in]	5m [196.85 in]	
RD3264TC-A	White	2700	≥80	≤5	≥115	865	144	24	250	1100	6	26.5
RD3264TC-A	White	3000	≥80	≤5	≥115	818	137	24	250	1100	6	26.5
RD3264TC-A	White	4000	≥80	≪5	≥115	854	142	24	250	1100	6	26.5
RD3264TC-A	White	5000	≥80	≤5	≥115	874	146	24	250	1100	6	26.5
RD3264TC-A	White	6500	≥80	≤ 5	≥115	772	129	24	250	1100	6	26.5
RD32C8TC-A	White	2700	≥80	≤5	≥115	1730	144	24	500	2100	12	50.5
RD32C8TC-A	White	3000	≥80	≤ 5	≥115	1641	137	24	500	2100	12	50.5
RD32C8TC-A	White	4000	≥80	≤5	≥115	1709	142	24	500	2100	12	50.5
RD32C8TC-A	White	5000	≥80	≤5	≥115	1747	146	24	500	2100	12	50.5
RD32C8TC-A	White	6500	≥80	≤5	≥115	1544	129	24	500	2100	12	50.5



Others:

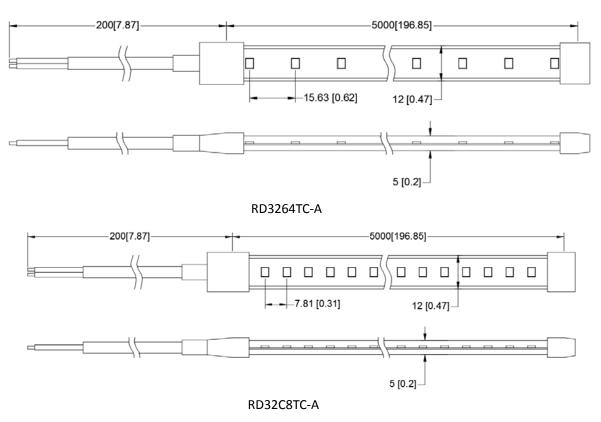
P/N			Operating Temp		Storage Temp		Standard length		ascading ength	LED Qty	Weight								
	Grade	(°C)	(T)	(℃)	(T)	(m)	(m) (inch)	(m)	(inch)	(pcs/m)	(g/m)	(lb/m)							
RD3264TC-A	IP67	-25~	-13~	-25~	-13~	5	196.8	5	196.8	64	,								
ND32041C-A	IF 01	+60	+140	+70	+158	5	5 196.6	3	190.0	04	,								
RD32C8TC-A	IP67	-25~	-13~	-25~	-13~	5	5 196.8	106.0	106.0	106.0	106.0	106.0	106.0	E 106.9	5	196.8	128	,	1
ND32C01C-A	1607	+60	+140	+70	+158	ა		5	5 190.6	120	/								

Notes:

- (1) Testing environment temperature: 25+2"C [77+3.6"F];
- (2) The actual data of each single product may differ from above typical data which are subject to change without prior notice;
- (3) The above "-" means the parameters are not required temporarily

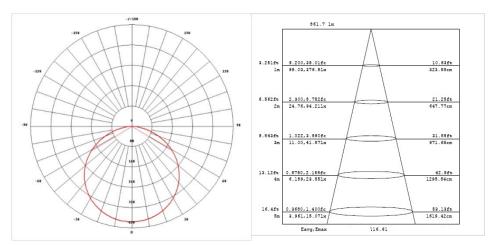
Profile Drawings:

Unit: mm[inch]

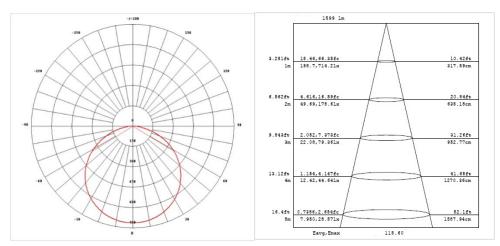




Light Distribution/Iso-illuminance Diagram:



RD3264TC-A



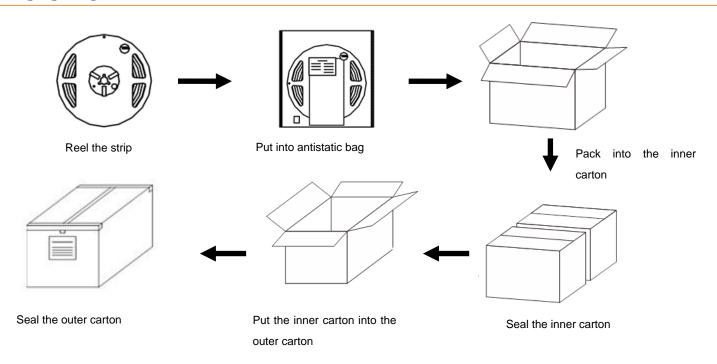
RD32C8TC-A

Packaging Information:

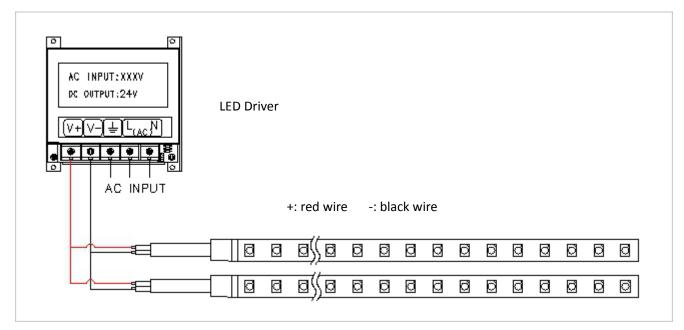
P/N	Qty (m/reel)		Total	Total	walaht	Outer carton size						
		Qty (m/carton)	Qty	Total weight -		len	gth	wi	dth	hei	ght	
	((11110011011)	(m)	(m)	(Kg)	(lb)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)
RD3264TC-A	5	60	120	11.1	24.47	458	18.03	256	10.07	268	10.55	
RD32C8TC-A	5	60	120	11.3	24.91	458	18.03	256	10.07	268	10.55	



Packaging Diagram:



Connection Instruction:



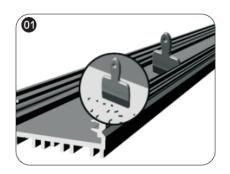
Note: Please connect the '+' and '-' of strips to those of driver output correctly.

Parts & Tools:

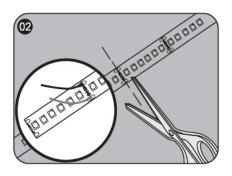




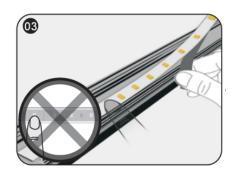
Installation Steps & Cautions:



 Make sure the mounting surface is clean before installation;



Calculate the needed length and cut off the extra length along cutting mark if necessary; if need to add wires, please weld them at the next location with printed mark

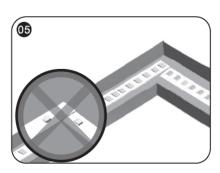


While sticking strips, peel off the release paper of the tape step by step. Don't peel off all release paper at a time to avoid getting your strip in a mess.

 \triangle Notes: No pressing the bead!



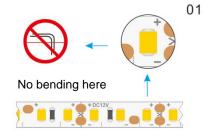
Stick Mylar tape to isolate the cutting position from the bottom of profile inner slot to avoid short-circuit:



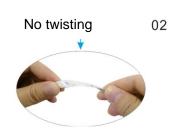
 The installation at the corner is shown as the above figure.
△Notes: No bending it into right angle; No twisting it to stick on the mounting surface.



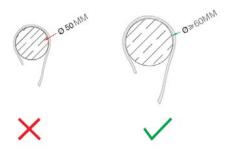
Connect strip wires to the output terminal of power supply, and dispose with waterproof, insulation, short-circuit and anti-corrosion protection at both the wire joints and the cut section of your strip (if any).



No bending the strip at the position of LED



No twisting the strip



No winding an object with a diameter <5cm.





Troubleshooting:

Malfunctions	Possible Causes	Solutions				
	The power supply did not connect to power grid.	Power on				
All LEDs don't work	2. No electricity due to short-circuit of	Remove the malfunction caused by short-circuit,				
	external power supply.	power on again.				
	3. The wires of strips connect to power	Check the connecting and ensure the wires are				
	supply output reversely.	connected correctly.				
	Part of power supplies do not have output.					
Part of LEDs don't	Part of wires of strips have	Check the power supply system.				
work	malfunction.					
	3. Particular strips connected reversely.	Correct connection				
	Overloaded power supply;	Replace it with higher power supply				
		Ensure working voltage of strips is within $\pm5\%\text{V}$ of rated voltage.				
	2. The power loss of power circuit is huge	Shorten the length of wires between the first				
D: 1. (150	or the power loss of each circuit	strip and power supply or replaced with wires with				
Brightness of LEDs	existing big difference.	bigger diameter;				
is weak or uneven		2. Ensure the cascading qty of string is less than or				
		equal to the allowed maximum cascading qty, and				
		each strip cascading qty is well-balanced.)				
		Lessen the cascading qty for strip and ensure the				
	3. Exceed in qty of strips in series	qty for each electrical circuit is within the maximum				
		cascading qty.				
LEDo oro blinking	Poor contacted in the joints.	Find out and tackle malfunction immediately.				
LEDs are blinking	2. Failures in power supply.	Power on				

Declaration:

- If the external flexible cable of light box is damaged, please replace it by its manufacturer or its service agent or qualified person to avoid a hazard.
- The specific installation and cautions please refer to the user manual.
- The given data in this specification is based on our standard product. There may be existed slight difference compared with actual products.
- O All Illustrations in this specification are for reference only.
- This product is subject to change or modify without prior notice.
- ORISHANG OPTOELECTRONICS CO., LTD. reserves the right of final explanation for this specification.

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