

# LONG RUN

# 48V STRIP

**LN-2835T-XXX-48**





### CCT Available



### Features

- Efficacy: 112lm/w
- CRI/TM-30-15: CRI>95 / (Rf>93-Rg>99, R9>94) CRI>90 / (Rf>90-Rg>99, R9>65)
- Color Consistency : 3SDCM (typical)
- Waterproof: IP64 (Spray Glue Coated), IP65 (Thick Glue Coated), IP67 (Tube Water proof), IP68 (Glue Tube /Silicone Tube Waterproof)
- Lumen Maintenance: 55°C: L70/B10>54000hrs, lumen maintenance 88.51%, L90/B10>47000hrs, lumen maintenance 89.95%.  
85°C: L70/B10>54000hrs, lumen maintenance 86.01%, L90/B10>38000hrs, lumen maintenance 89.95%
- Mounting: double-side thermal conductive adhesive tape

### TM-30

#### CRI:90+

CCT	Rf	Rg	SDCM
2700K±70	91	99	3
2900K±80	92	100	3
3400K±100	91	99	3
4000K±120	91	98	3
5000K±180	92	99	3
6000K±240	95	100	3

### Optical & Electrical Parameters

LN-2835T-56-48					LN-2835T-72-48				
Voltage	CCT/Wavelength	LM/m	LM/W	W/m	Voltage	CCT/Wavelength	LM/m	LM/W	W/m
48V DC	2700K±70	677	105	5.76	48V DC	2700K±70	368	75	4.32
	2900K±80	681	107			2900K±80	391	80	
	3400K±100	681	106			3400K±100	382	78	
	4000K±120	699	112			4000K±120	393	80	
	5000K±180	693	111			5000K±180	395	82	
	6000K±240	676	109			6000K±240	377	78	

LN-2835T-112-48				
Voltage	CCT/Wavelength	LM/m	LM/W	W/m
48V DC	<input checked="" type="checkbox"/> 2700K±70	1230	104	11.52
	<input checked="" type="checkbox"/> 2900K±80	1249	105	
	<input checked="" type="checkbox"/> 3400K±100	1244	104	
	<input checked="" type="checkbox"/> 4000K±120	1289	108	
	<input type="checkbox"/> 5000K±180	1296	108	
	<input type="checkbox"/> 6000K±240	1299	107	

## Other Parameters

Model No.	LED QTY (pcs/m)	Min Cuttable Length	No Brightness Difference MAX	UL Max Run	Working Temperature	Storage Temperature
LN-2835T-56-48	56	250mm	27m	--	-20~+60°C	-20~+70°C
LN-2835T-72-48	72	166.67mm	50m	--		
LN-2835T-112-48	112	125mm	18m	--		

**NOTE:**

- The above data were measures under standard conditions and actual data may be different. We would update data without further notice.
- The luminous flux is tested while the corresponding-color products were lightened.
- UL max run refers to operating length at UL class II @100W.48V.
- Luminous flux values were measured accordance to IES LM-80-08. LED chips with range tolerance of +/- 10%.
- Each maximum-run requires a dedicated power feed from the driver. Do not extend exceed the recommended maximum run length. Max run may exceed Class 2 limits.
- Actual wattage may be different from the calculated wattage due to voltage drop while using.
- Actual efficacy value is determined by the specific LED driver (power supply). An estimated efficacy value can be calculated as follows: Luminous intensity divided by average power consumption.
- Do not install products in the conditions that exceed the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, luminous intensity output, and/or adversely impact color consistency.
- Operating temperature was measured under the minimum and maximum ambient temperature environment.
- Cutting segment are marked on the profile below.

## Performance

- LED chip data measured in accordance to IES LM-80-08.
- Photometric & Colorimetry data measured in accordance to IES LM-79-08, in Blueview 's TUV Innovation Lab.

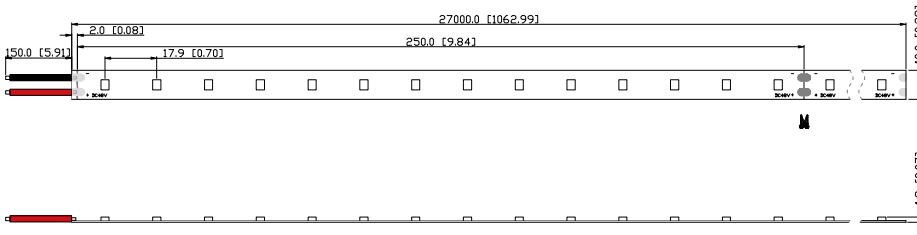
## Compliance & Regulatory Approvals

	CE LVD	Standard: EN 60598-2-21: 2015; EN 60598-1: 2015; EN 62471: 2008; EN 62493:2015; EN 62031: 2015+A1: 2013+A2: 2015
	CE EMC	Standard: EN IEC 55015: 2019; EN IEC 61000-3-2: 2019; EN 61000-3-3:2013+A1: 2019;EN 61547: 2009
	CB	Standard: IEC 62031:2018
	UL LISTED	Standard: UL 2108 E354137-Low-voltage Lighting Systems, Power Units, Luminaires and Fittings
	RoHS	Standard: IEC62321

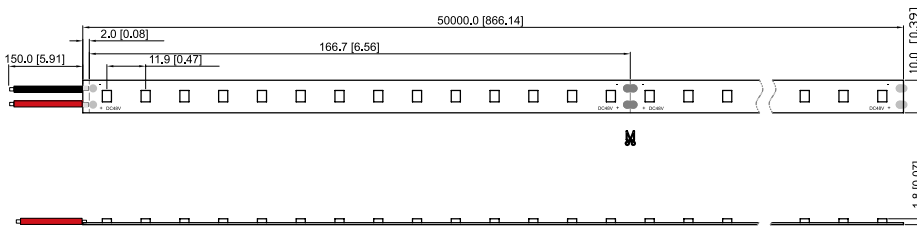
## Profile Drawings

Unit: mm [inch]

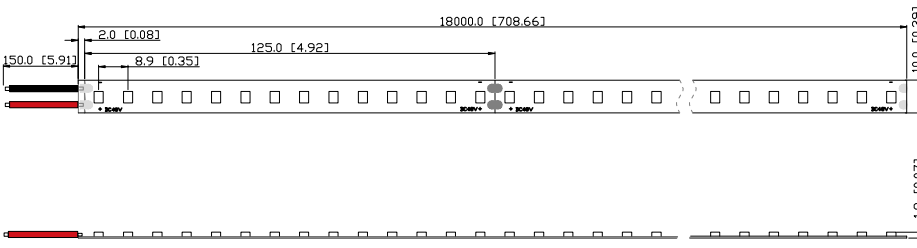
LN-2835T-56-48



LN-2835T-72-48



LN-2835T-112-48



Note:

- For LED quantity less than 160leds/m with standard power, we recommend to use 20AWG parallel wire/sheathed cable with wire length less than 20cm, user need to reduce the max run when the wire length more than 20cm.
- For LED quantity more than 160leds/m with standard power, we recommend to use 18AWG parallel wire/sheathed cable in single feed, or 20AWG parallel wire or sheathed cable in both ends with wire length less than 20cm. Users need to reduce the max run properly when the wire length more than 20cm.
- Above conditions are only applicable to products with the PCB width of 10mm or more, for other width needs to be evaluated separately.

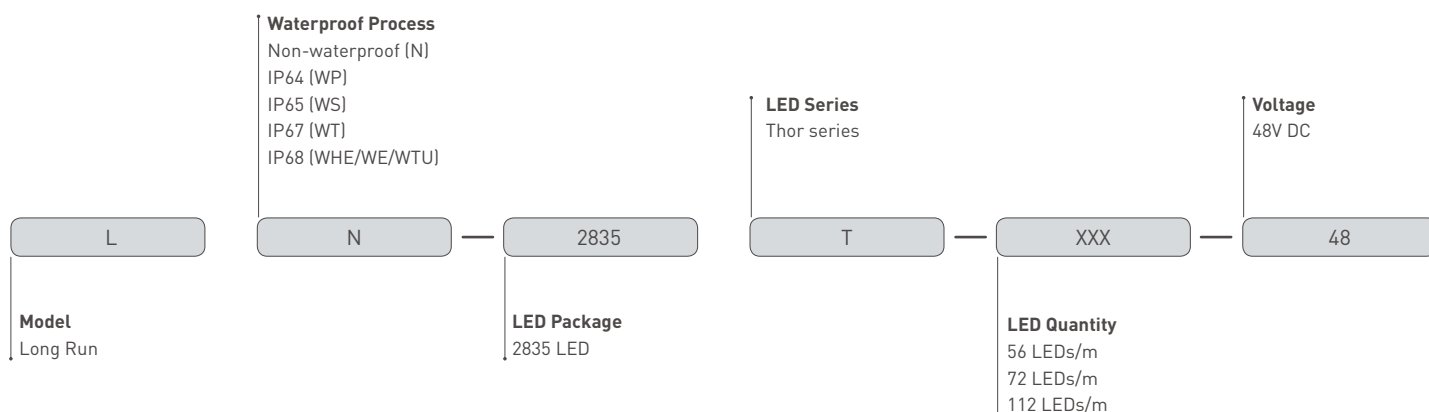
## Packaging information

Model No.	Product Size L*W (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Net Weight (kg)	Gross Weight (kg)
LN-2835T-56-48	27000*10mm	550*400*340	27	20	14.55 (1±10%)	17.45 (1±10%)
LN-2835T-72-48	50000*10mm	550*400*340	50	12	13.15 (1±10%)	16.55 (1±10%)
LN-2835T-112-48	18000*10mm	550*400*340	18	40	17.42 (1±10%)	21.75 (1±10%)

NOTE:

- The above quantity and weight are only for the illustrated packaging method. There will be differences in the quantity and weight with other packaging methods.

## Ordering Code



**Note:**

For more info about waterproof process, please refer to the waterproof instruction.

If the strip light adopts WT/WTS/WTU processes, it can only be made up to 10 meters long, for WS process, only be made up to 15 meters long.

## Recommended power supply upon working length

LN-2835T-56-48	Operating Length (m)										
Parameters	1	2	3	4	5	6	7	8	9	10	11
Total Power (W)	5.76	11.52	17.28	22.56	28.32	33.60	38.40	43.20	48.00	59.52	64.80

LN-2835T-56-48	Operating Length (m)											
Parameters	12	13	14	15	16	17	18	19	20	21	22	
Total Power (W)	72.00	78.24	84.00	89.76	87.36	93.12	98.88	104.64	110.40	116.16	121.92	

LN-2835T-56-48	Operating Length (m)				
Parameters	23	24	25	26	27
Total Power (W)	129.60	142.56	147.84	152.16	156.48

LN-2835T-72-48	Operating Length (m)										
Parameters	1	2	3	4	5	6	7	8	9	10	11
Total Power (W)	4.61	9.22	13.82	18.43	23.04	27.65	32.26	36.86	41.47	46.08	50.69

LN-2835T-72-48	Operating Length (m)											
Parameters	12	13	14	15	16	17	18	19	20	21	22	
Total Power (W)	55.30	59.90	64.51	69.12	73.73	78.34	82.94	87.55	92.16	96.77	101.38	

LN-2835T-72-48	Operating Length (m)												
Parameters	23	24	25	26	27	28	29	30	31	32	33		
Total Power (W)	105.98	110.59	115.2	119.81	124.42	129.02	133.63	138.24	142.85	147.46	152.06		

LN-2835T-72-48	Operating Length (m)													
Parameters	34	35	36	37	38	39	40	41	42	43	44			
Total Power (W)	156.67	161.28	165.89	170.50	175.10	179.71	184.32	188.93	193.54	198.14	202.75			

LN-2835T-72-48	Operating Length (m)					
Parameters	45	46	47	48	49	50
Total Power (W)	207.36	211.97	216.58	221.18	225.79	230.40

LN-2835T-112-48		Operating Length (m)									
Parameters	1	2	3	4	5	6	7	8	9	10	11
Total Power (W)	12.00	23.04	28.80	39.36	60	69.12	80.64	92.16	103.68	115.20	126.72

LN-2835T-112-48		Operating Length (m)					
Parameters	12	13	14	15	16	17	18
Total Power (W)	138.24	149.76	161.28	172.80	184.32	201.12	211.20

## Power Supply



Model No.: HLG Series



Model No.: ELG Series

NOTE: Above power supplies are available in

