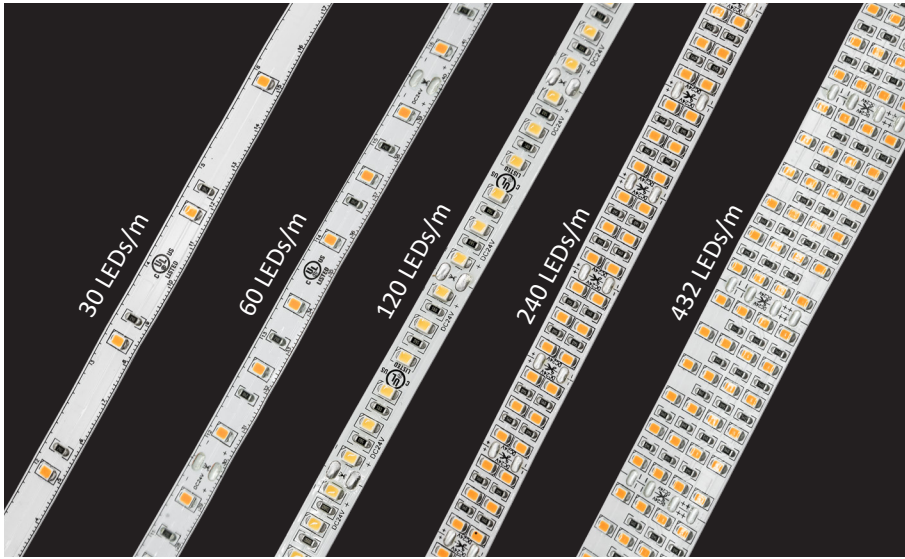




# THOR

## 2835 STANDARD STRIP





## CCT Available



## Features

- Efficacy: CRI90+ up to 140lm/w, CRI95+ up to 130lm/w
- CRI/TM-30-15: CRI>95 / (Rf>93-Rg>99, R9>94) CRI>90 / (Rf>90-Rg>99, R9>65)
- Color Consistency : 2SDCM (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%
- Warranty: 5year
- Mounting: double-side thermal conductive adhesive tape or 9080H 3M self adhesive tape

## TM-30

### CRI:90+

CCT	Rg	Rf	SDCM
2050K±50	102	90	2
2400K±60	103	91	2
2700K±70	97	91	2
2900K±80	99	91	2
3400K±100	102	92	2
4000K±120	99	91	2
5000K±180	99	91	2
6000K±240	100	94	2

### CRI:95+

CCT	Rg	Rf	SDCM
2150K±50	100	95	2
2500K±60	101	95	2
2700K±70	99	93	2
2900K±80	102	95	2
3400K±100	101	94	2
4100K±120	101	93	2
5000K±180	101	94	2
6000K±240	99	94	2

Optical & Electrical Parameters

CRI:90+

FN-2835T-30-12/24				
Voltage	CCT/Wavelength	LM/m	LM/W	W/m
12/24 DC	2200K	619.2	86	7.2
	2500K	669.6	93	
	2700K	698.4	97	
	3000K	705.6	98	
	3500K	727.2	101	
	4000K	748.8	104	
	5000K	756	105	
	6200K	756	105	

FN-2835T-60-12/24				
Voltage	CCT/Wavelength	LM/m	LM/W	W/m
12/24 DC	2200K	1238.4	86	14.4
	2500K	1339.2	93	
	2700K	1396.8	97	
	3000K	1411.2	98	
	3500K	1454.4	101	
	4000K	1497.6	104	
	5000K	1512	105	
	6200K	1512	105	

FN-2835T-120-12/24				
Voltage	CCT/Wavelength	LM/m	LM/W	W/m
12/24 DC	2200K	1281.6	89	14.4
	2500K	1368	95	
	2700K	1425.6	99	
	3000K	1440	100	
	3500K	1483.2	103	
	4000K	1526.4	106	
	5000K	1540.8	107	
	6200K	1540.8	107	

FN-2835T-240-12/24				
Voltage	CCT/Wavelength	LM/m	LM/W	W/m
12/24 DC	2200K	2563.2	89	28.8
	2500K	2736	95	
	2700K	2851.2	99	
	3000K	2880	100	
	3500K	2966.4	103	
	4000K	3052.8	106	
	5000K	3081.6	107	
	6200K	3081.6	107	

FN-2835T-432-24				
Voltage	CCT/Wavelength	LM/m	LM/W	W/m
24V DC	2200K	4613.76	89	51.84
	2500K	4924.8	95	
	2700K	5132.16	99	
	3000K	5184	100	
	3500K	5339.52	103	
	4000K	5495.04	106	
	5000K	5546.88	107	
	6200K	5546.88	107	

CRI:95+

FN-2835T-30-12/24				
Voltage	CCT/Wavelength	LM/m	LM/W	W/m
12/24 DC	2200K	504	70	7.2
	2500K	554.4	77	
	2700K	604.8	84	
	3000K	604.8	84	
	3500K	633.6	88	
	4000K	662.4	92	
	5000K	698.4	97	
	6200K	691.2	96	

FN-2835T-60-12/24				
Voltage	CCT/Wavelength	LM/m	LM/W	W/m
12/24 DC	2200K	1008	86	14.4
	2500K	1108.8	93	
	2700K	1209.6	97	
	3000K	1209.6	98	
	3500K	1267.2	101	
	4000K	1324.8	104	
	5000K	1396.8	105	
	6200K	1382.4	105	

FN-2835T-120-12/24				
Voltage	CCT/Wavelength	LM/m	LM/W	W/m
12/24 DC	2200K	1022.4	71	14.4
	2500K	1137.6	79	
	2700K	1238.4	86	
	3000K	1238.4	86	
	3500K	1296	90	
	4000K	1353.6	94	
	5000K	1425.6	99	
	6200K	1411.2	98	

FN-2835T-240-12/24				
Voltage	CCT/Wavelength	LM/m	LM/W	W/m
12/24 DC	2200K	2044.8	86	28.8
	2500K	2275.2	93	
	2700K	2476.8	97	
	3000K	2476.8	98	
	3500K	2592	101	
	4000K	2707.2	104	
	5000K	2851.2	105	
	6200K	2822.4	105	

FN-2835T-432-24				
Voltage	CCT/Wavelength	LM/m	LM/W	W/m
24V DC	2200K	3680.64	71	51.84
	2500K	4095.36	79	
	2700K	4458.24	86	
	3000K	4458.24	86	
	3500K	4665.6	90	
	4000K	4872.96	94	
	5000K	5132.16	99	
	6200K	5080.32	98	

Other Parameters

Model No.	LED QTY (pcs/m)	Product Size L*W	Max Run	Min Cuttable Length	Working Temperature	Storage Temperature
FN-2835T-30-12/24	30	5000*10mm	7m/12m	100mm/200mm	-20~+60°C	-20~+70°C
FN-2835T-60-12/24	60	5000*10mm	4.5m/8m	50mm/100mm		
FN-2835T-120-12/24	120	5000*10mm	4.5m/8m	25mm/50mm		
FN-2835T-240-12/24	240	5000*14mm	3m/5m	25mm		
FN-2835T-432-24	432	5000*28mm	4.0m	55.56mm		

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.24V.
- 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.

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	Standard: IFDR.E354137; IFDR2.E354137; IFDR7.E354137; IFDR8.E354137-Low-voltage Lighting Systems, Power Units, Luminaires and Fittings
	ROHS	Standard: IEC62321

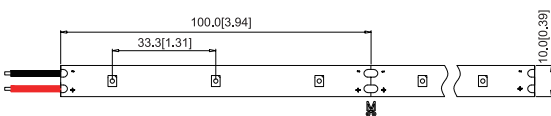
Performance

- 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.

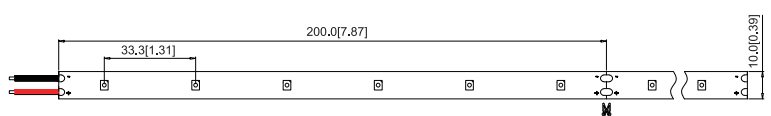
Profile Drawings

Unit: mm [inch]

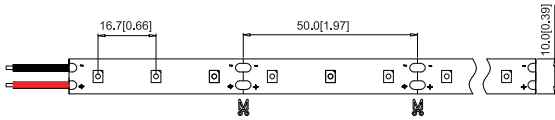
FN-2835T-30-12



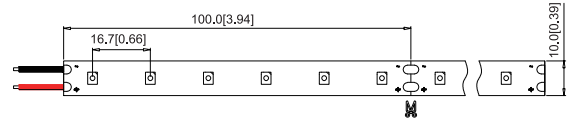
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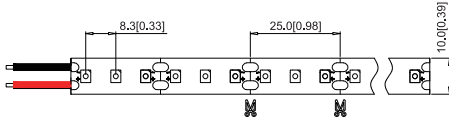
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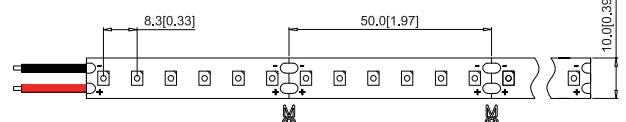
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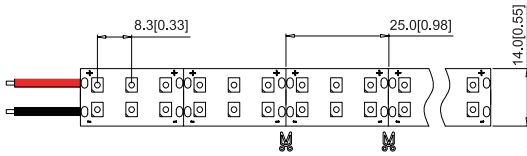
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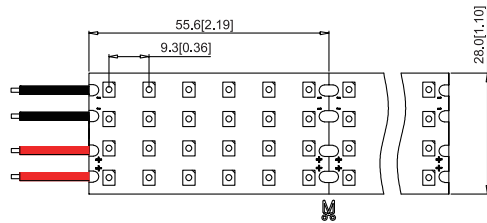
FN-2835T-120-24



FN-2835T-240-12/24



FN-2835T-432-12



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.

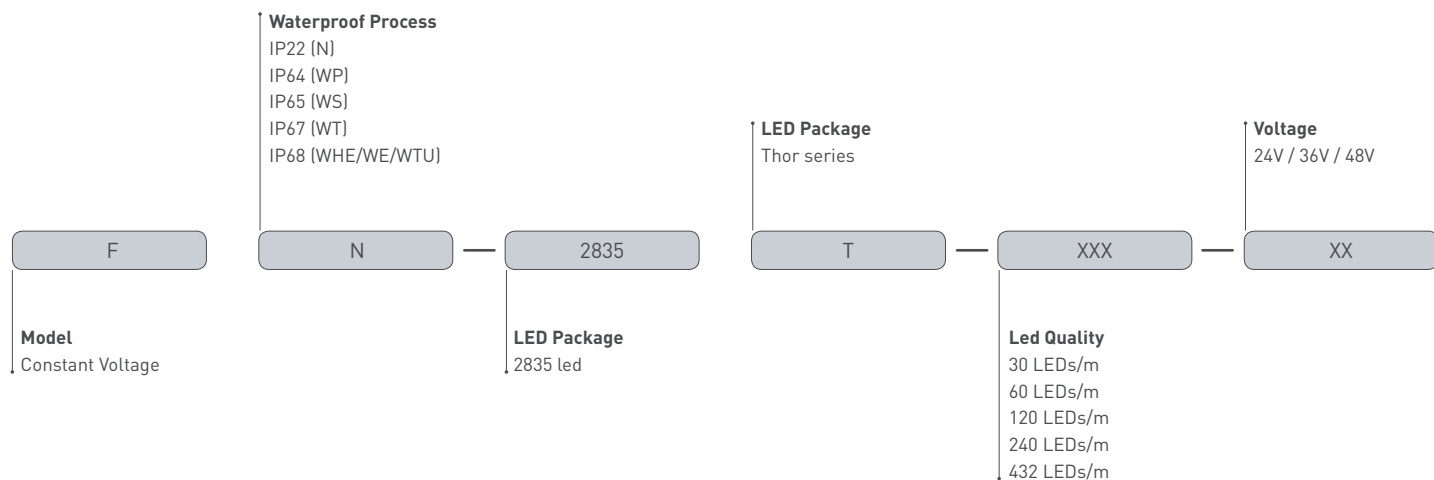
Packaging information

Model No.	FN-2835T-30-12/24	FN-2835T-60-12/24	FN-2835T-120-12/24	FN-2835T-240-12/24	FN-2835T-432-24
Carton Size (mm)	550*400*340	550*400*340	550*400*340	550*400*340	550*400*340
Quantity(pcs)	80	80	80	70	10
Net Weight (kg)	9.65 (1±10%)	9.65 (1±10%)	9.65 (1±10%)	8.75 (1±10%)	5.82 (1±10%)
Gross Weight (kg)	13.15 (1±10%)	13.15 (1±10%)	13.15 (1±10%)	12.25 (1±10%)	10.35 (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.
- The gross weights of all above model are less than volume weight, the volume weight is 14.96kg.

Ordering Code



Note: for more info about waterproof process, please refer to the waterproof instruction.

Recommended power supply upon working length

FN-2835T-30-12/24	Operating Length(m)			
Parameters	7	8.5	12	14
Operating Voltage (DC V)	12.0	12.0	24.0	24.0
Head-to-tail Current Drop Rate(%)	20%	30%	20%	30%
Single or Double Feed	Single Feed			

FN-2835T-60-12/24	Operating Length(m)			
Parameters	4.5	5	8	9
Operating Voltage (DC V)	12.0	12.0	24.0	24.0
Head-to-tail Current Drop Rate(%)	20%	30%	20%	30%
Single or Double Feed	Single Feed			

FN-2835T-120-12/24	Operating Length(m)			
Parameters	4.5	5	8	9
Operating Voltage (DC V)	12.0	12.0	24.0	24.0
Head-to-tail Current Drop Rate(%)	20%	30%	20%	30%
Single or Double Feed	Single Feed			

FN-2835T-240-12/24	Operating Length(m)			
Parameters	3	4	5	6.5
Operating Voltage (DC V)	12.0	12.0	24.0	24.0
Head-to-tail Current Drop Rate(%)	20%	30%	20%	30%
Single or Double Feed	Single Feed			

FN-2835T-432-24	Operating Length(m)	
Parameters	4	5
Operating Voltage (DC V)	24.0	12.0
Head-to-tail Current Drop Rate(%)	20%	30%
Single or Double Feed	Single Feed	

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