

ISL-32 Stair lighting

	LED / m	LED / ft	Voltage (V)	Watt / LED (W)	Watt / m (W)	Watt / ft (W)
WS2812b 30LED/m	30	9.144	5	0.3	9.00	2.74
WS2812b 60LED/m	60	18.288	5	0.3	18.00	5.49
WS2813 30LED/m	30	9.144	5	0.3	9.00	2.74
WS2813 60LED/m	60	18.288	5	0.3	18.00	5.49
WS2811 12V 30 LED/m	30	9.144	12	0.3	9.00	2.74
WS2811 12V 60 LED/m	60	18.288	12	0.3	18.00	5.49
WS2811 24V 60 LED/m	60	18.288	12	0.3	18.00	5.49

Wattage requirements per length

Length (m)	Length (ft)	WS2812b		WS2813		WS2811 12V		WS2811 24V
		30LED/m (W)	60LED/m (W)	30LED/m (W)	60LED/m (W)	30LED/m (W)	60LED/m (W)	60LED/m (W)
1.00	3.3	9	18	9	18	9	18	18
2.00	6.6	18	36	18	36	18	36	36
3.00	9.8	27	54	27	54	27	54	54
4.00	13.1	36	72	36	72	36	72	72
5.00	16.4	45	90	45	90	45	90	90
10.00	32.8	90	180	90	180	90	180	180
15.00	49.2	135	270	135	270	135	270	270
20.00	65.6	180	360	180	360	180	360	360
25.00	82.0	225	450	225	450	225	450	450
30.00	98.4	270	540	270	540	270	540	540