

	Powered LEDs	Watts min	Watts max	max temp	PoE v1 efficiency	Watts min	Watts max	max temp	PoE+ efficiency	amps-min	amps-max
	Strip Unplugged	2.9	3.2	44.5	0.7704918033	4.9	5.2	51.7	0.4653465347	0.445	0.495
First test used	0	4.1	4.4	46.5	0.7952941176	5.9	6.2	52.6	0.558677686	0.648	0.704
a purple color	10	5.6	5.9	46.8	0.7943478261	7	7.3	52.3	0.6388111888	0.883	0.944
that pulled less	20	7.1	7.4	51	0.7882758621	8.2	8.4	52.2	0.6885542169	1.114	1.172
power per LED.	30	8.5	8.8	58	0.7973988439	9.4	9.6	51.7	0.7260526316	1.352	1.407
	40	10	10.3	59.6	0.7933497537	10.6	10.8	51.8	0.7525700935	1.584	1.637
	50	11.5	11.8	64.8	0.7924892704	11.6	11.9	51.9	0.7857446809	1.817	1.876
	60	13	13.3	66.4	0.7920152091	12.8	13.1	51.5	0.8042471042	2.064	2.102
	70	14.5	14.8	67.8	0.7895904437	14	14.3	51.6	0.8174911661	2.281	2.346
	75	15.3	15.9	69.2	0.7780448718	14.6	14.9	51.7	0.8228813559	2.407	2.448
	80					15.2	15.5	51.6	0.8328990228	2.51	2.604
	90					16.5	16.7	51.6	0.8359939759	2.746	2.805
	100					17.6	17.9	51.6	0.8461971831	2.975	3.033
	110					18.8	19.2	51.9	0.8518421053	3.208	3.266
	120					20.2	20.5	51.6	0.8495085995	3.433	3.482
	130					21.3	21.7	52.4	0.8576744186	3.662	3.714
	140					22.5	22.8	52.9	0.8666666667	3.898	3.954
	150					23.8	24.5	53.2	0.8589026915	4.128	4.169
	160					25	25.2	54.3	0.8703187251	4.339	4.399
	170					26	26.3	54.6	0.8760994264	4.552	4.612
	180					26.8	27.1	55.1	0.8746753247	4.682	4.747
	190					27.3	27.7	54.8	0.8752727273	4.787	4.841
	200					27.8	28.1	55.7	0.8798747764	4.879	4.958
	210					28.3	28.6	56	0.8778558875	4.965	5.025
	220					28.8	29.1	55.4	0.8702936097	5.002	5.076
	230					28.8	29.3	55.2	0.8754733219	5.049	5.124
	240					29.1	29.3	54.2	0.8775684932	5.088	5.162
	250					29.2	29.5	55.3	0.8818568995	5.128	5.225
	260					29.4	29.7	56	0.8798646362	5.16	5.24
	270					29.5	29.9	55.8	0.8795454545	5.171	5.278
	280					29.7	30.2		0.8734557596	5.185	5.279
	290					29.7	30.1		0.8783444816	5.217	5.288
	White LEDs:										
Voltage drop	100					23.8	24.1	53.5	0.8694154489	4.134	4.195
eventually became	110					25.6	25.9	55	0.8762135922	4.478	4.547
the current limiter.	120					27.5	27.8	55.5	0.8764918626	4.819	4.875
So I switched to	130					29.3	29.5	56.2	0.8788265306	5.139	5.196
driving them at	140					30.4	30.6	56.8	0.878852459	5.317	5.405
full brightness white	444								Power Limit		