

60Hz Lights Cable Sizing Chart - 50ft Increments

3 Conductor				Copper Wire Gauge Size		
Watts Per Fixture	# of Fixtures	Volts	Approx Amps	#14(ft)	#12(ft)	#10(ft)
11	2	120	0.183	5250	8150	13600
11	3	120	0.275	3500	5450	9050
11	4	120	0.367	2600	4050	6800
22	2	120	0.283	3400	5250	8800
22	3	120	0.425	2250	3500	5850
22	4	120	0.567	1700	3600	4400
22	6	120	0.850	1100	1750	2900
22	8	120	1.133	850	1300	2200
22	12	120	1.700	550	850	1450
35	2	120	0.583	1650	2550	4250
35	3	120	0.875	1100	1700	2850
35	4	120	1.167	800	1250	2100
35	6	120	1.750	550	850	1400
35	8	120	2.333	400	600	1000
35	12	120	3.500	250	400	700

5 Conductor				Copper Wire Gauge Size		
Watts Per Fixture	# of Fixtures	Volts	Approx Amps	#14(ft)	#12(ft)	#10(ft)
20 RGBW	2	120	0.333	2900	4500	7500
20 RGBW	3	120	0.500	1900	3000	5000
20 RGBW	4	120	0.667	1450	2250	3750
40 RGBW	2	120	0.667	1450	2250	3750
40 RGBW	3	120	1.000	950	1500	2500
40 RGBW	4	120	1.333	700	1100	1850
40 RGBW	6	120	2.000	450	750	1250
40 RGBW	8	120	2.667	350	550	900
40 RGBW	12	120	4.000	200	350	600