




Use the following information to estimate the load requirements of your Christmas lights display.

This formula will determine the amount of Amps necessary to power a Christmas lights display. This table works for all of the C7 Bulbs and C9 Bulbs that we carry.

$$\text{Total Number of Bulbs} \times \text{Bulb Wattage} \div 110 = \text{Amps Needed}$$

 C7 Bulbs 5 Watts	25 Bulbs	=	1.135 Amps
	50 Bulbs	=	2.270 Amps
	100 Bulbs	=	4.545 Amps
	10 Amp Chaser Control Box (Model 3 TU-10) can turn on up to 190 C7 bulbs per receptacle		
	18 Amp Chaser Control Box can turn on up to 380 C7 bulbs per receptacle		

 C9 Bulbs 7 Watts	25 Bulbs	=	1.590 Amps
	50 Bulbs	=	3.180 Amps
	100 Bulbs	=	6.360 Amps
	10 Amp Chaser Control Box (Model 3 TU-10) can turn on up to 150 C7 bulbs per receptacle		
	18 Amp Chaser Control Box can turn on up to 270 C9 bulbs per receptacle		

 2.5 Volts Mini Lights	300 minis	=	1 Amps
	10 Amp Chaser Control Box (Model 3 TU-10) can turn on up to 3000 Mini bulbs per receptacle		
	18 Amp Chaser Control Box can turn on up to 5400 mini bulbs per receptacle		

7 watt C-7 or 10 watt C-9 Bulbs will draw more power. They look just like the standard bulbs