

Re: led dimmer circuit

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The LED brightness depends on the current. It is easy to make a voltage to current converter with an opamp:

http://www.allaboutcircuits.com/vol_3/chpt_8/7.html/conversion

But there should also be no problem using resistors. What resistances are you using (fixed and variable) and is the variable one linear-taper or audio-taper?

Resistors won't do the job. Post this on the basics board, or better yet, google for led dimmer. You need a circuit that varies the length of time the LED is fully powered, reducing it gradually to zero.

Will someone explain *why* resistors "won't do the job"?

This is not a basic question. I am not the original poster. I understand about PWM and its advantages (saving power). But if an op-amp adjustable current source (which is not PWM) will do the job, surely so will a humble rheostat.

Is there something strange about the current-vs-brightness relation of these LEDs?

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