For LED's without internal voltage regulation use this information.

For DC circuits:

Subtract two volts (needed for the LED) from your circuit voltage needed multiply by 50. EXAMPLE: For a 12VDC circuit, subtract the "two" and multiply the answer ten times fifty. So a 500ohm resistor is needed. (use a close standard value, such as 470 or 520 etc.)

For AC Circuits:

Place a diode in series with the LED. Then, take your circuit voltage and subtract 2.7 from that voltage and then multiply the answer by 25. Example: In a 28 volt circuit, subtract 2.7 which gives you 25.3. Then multiply the 25. For DC Circuits: 3 times 25 and the answer is 632 ohms. Use a close resistor value such as 680 ohms