



Resistance per LED circuit for 12vdc @ 20ma max  
 2 white LEDs @ 3.2v drop =  $12 - (2 * 3.2) / 0.02 = 280\text{ohms}$   
 3 white LEDs @ 3.2v drop =  $12 - (3 * 3.2) / 0.02 = 120\text{ohms}$

