

Installing Accessory LEDs in Footwells.

Items purchased for this project:

[10 Pack \(only used 3\) of the eagle eye style LED 18mm \(white\)](#) I used a 5

[22-AWG wire](#)

[Posi-tap mini connectors 20-22AWG](#)

[Wire Loom \(soft fabric style\)](#)

Other items needed:

[Heat Shrink](#), Grounding connector, bolts/nuts (I have the random coffee can I used for projects like this)

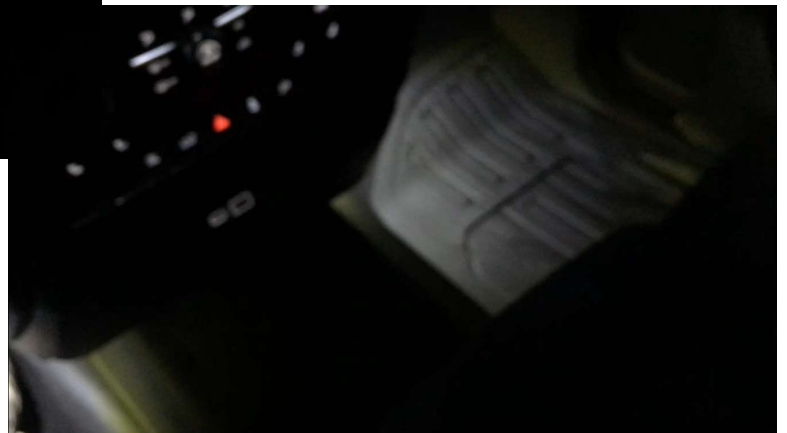
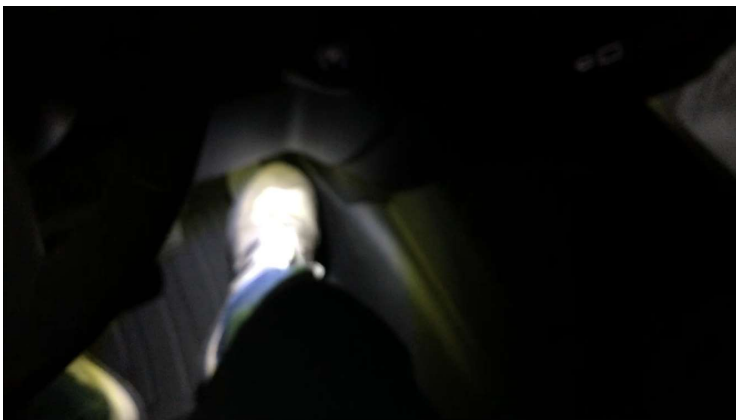
Wire Strippers. Drill or Roto-tool to make approximate 5/8s hole. Needle nose pliers. Pick tool

Fishtape (or similar flexible rod)

So I began my project with researching the power-source for Dome lights I the T1 XX models (My truck is a 2020 Sierra Crew cab).

Turns out there was extensive research done by other members (thanks Smoothbassman). He was able to let me know that the 2nd grey wire in the white BCM connector under the driver's dash was the correct wire to tap into. You can see this in another post [here](#).

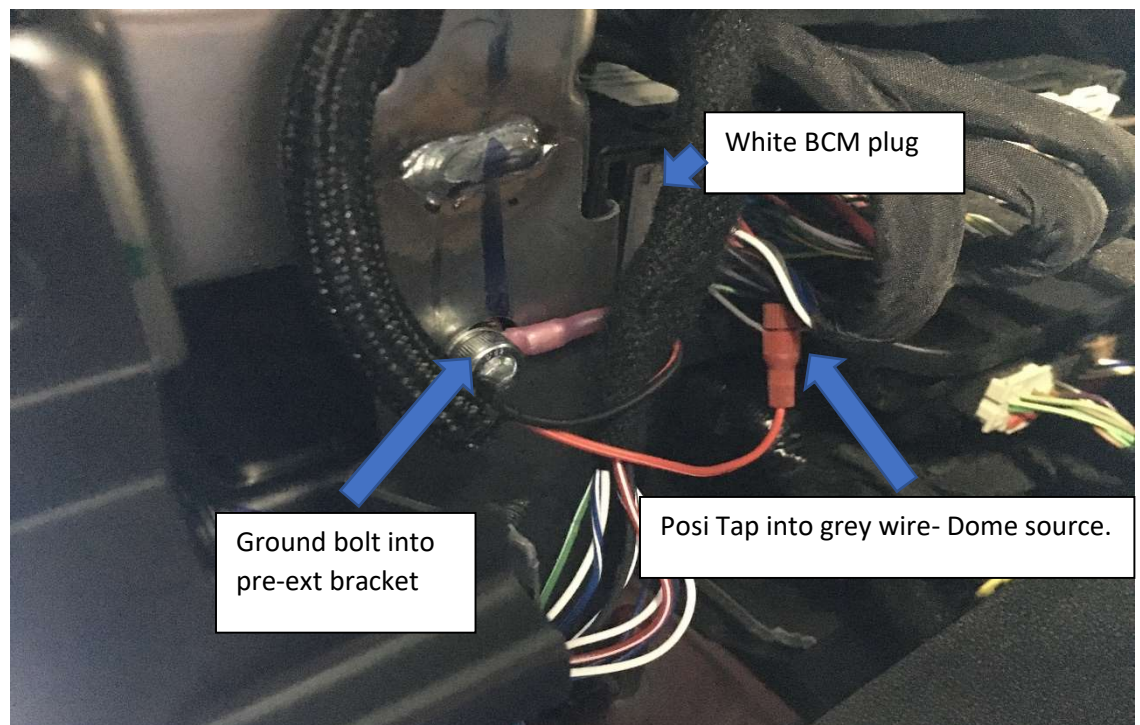
These lights had decent reviews online, and I liked their size, here is a picture with a poker chip to give reference, as you can see they have a nut and threaded "flush" mount ability. They ended up fitting great.

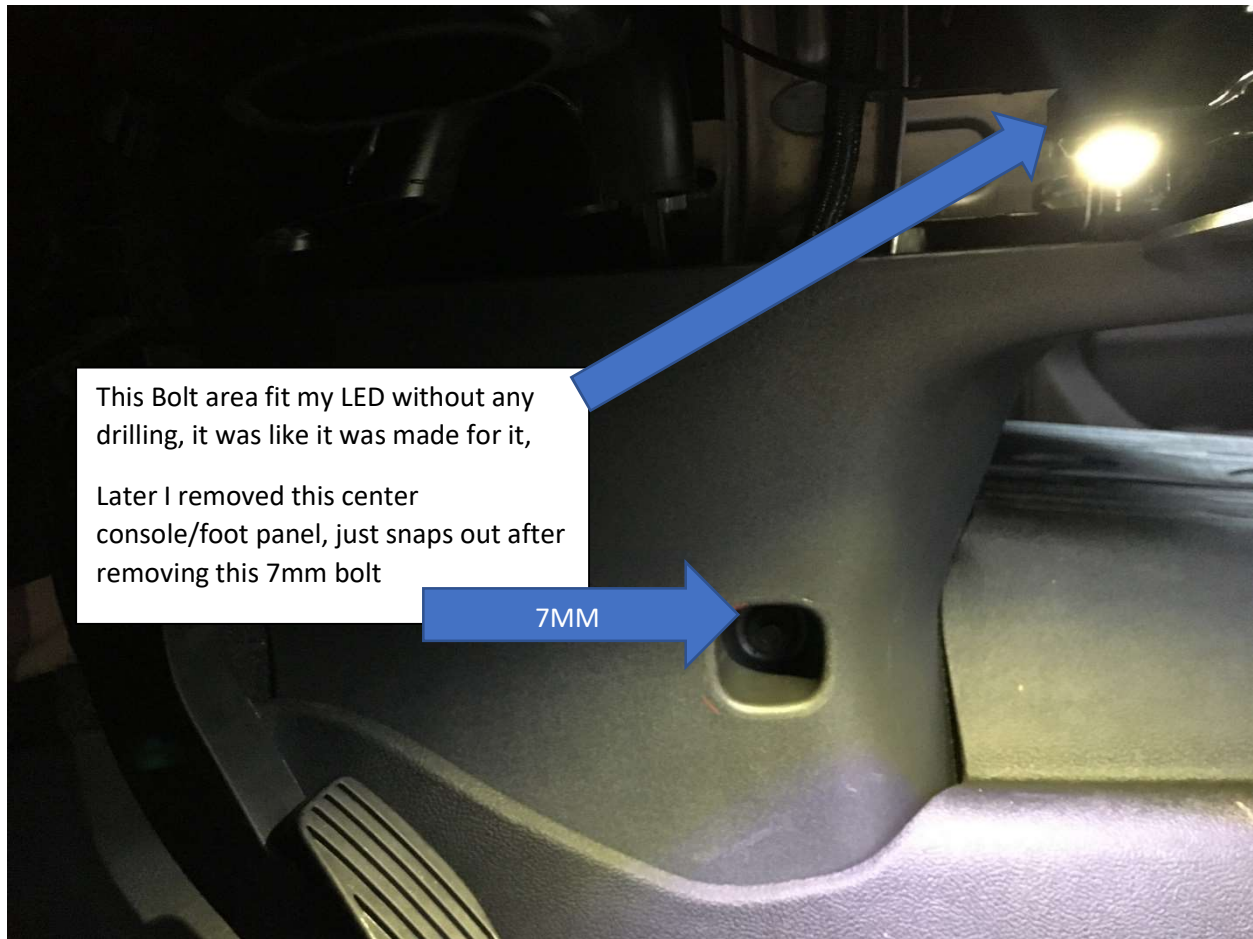


To Begin, I tested my lights by finding a ground and using the BCM tap with the Posi-tap connectors, the last thing I wanted to do was have all the lights in place only to find out they wouldn't fire up.



Here is a picture of the power source tap, and the bracket where I set my ground with as small bolt/nut I had on hand.





Once I was able to confirm the lights were in place, I began setting them up in the appropriate spots. I used a hole already designed under the driver's dash to accept the threads of the LED. That was my first light mounted, easy as pie. I continued my power run through the middle part of the dash, my truck does not have a center console, but I removed the plastic trim near the center seat footwell to make the flow of wires neat, this would be where my 2nd light would be tapped into, and the 3rd light (for the rear/crew area) would be tapped from.

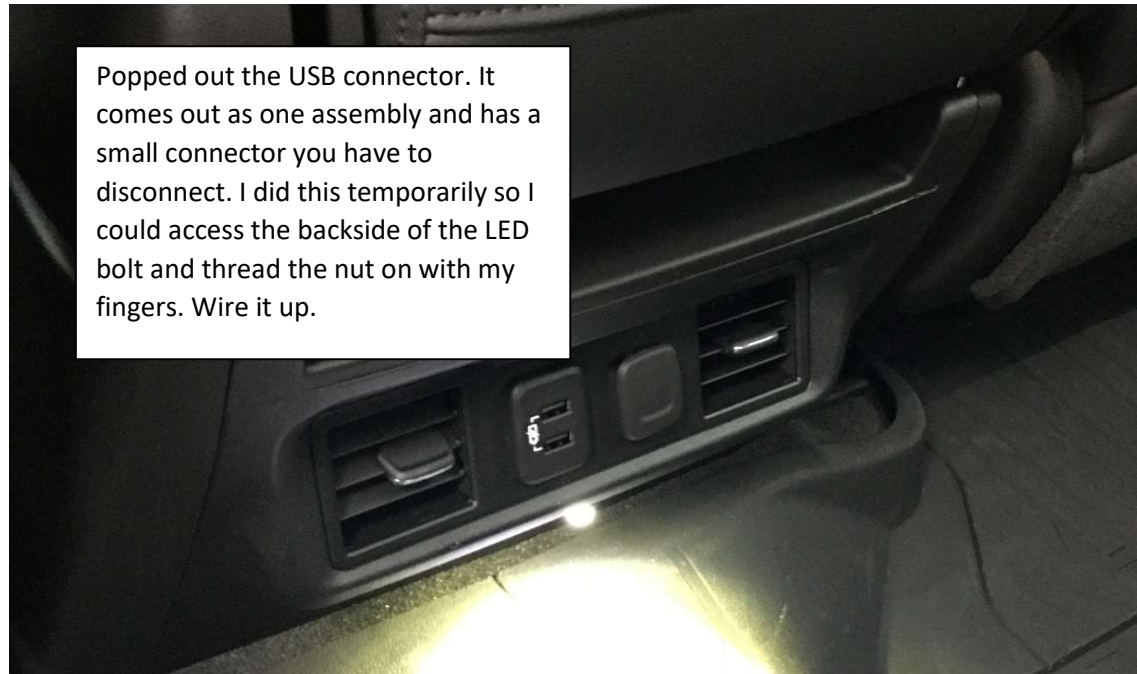
I drilled a small 5/8s hole to mount my second light in the little fabric panel that sits under the passenger dash. I reinforced its strength with a small washer I had on hand, and then ran the bolt LED up through, and “wala!” 2nd light was mounted.



For the third light, I ran the power source under the front passenger side carpet, loosening some rocker trim to fit my hands up there, some fish-tape came in handy here to get it where I wanted. The wires for the 3rd light (rear of middle front seat/console) were run up through the carpet, under the passenger seat and into the console/middle seat.

I carefully removed the USB connector in the rear of the center console, which gave me just enough room to hold the nut for the LED bolt light. I carefully drilled a 5/8s hole and mounted the third light. After making all connections (solder, heat shrink, wire loom) I put everything back and it works like a champ.

These LEDs mounted in the footwell areas operate and dim just like the dome lights, they also operate when you press the “dome” button located in the center overhead console.



Great little addition to the truck, sadly newer vehicles don't have these things, but I am very happy with the modification. I have no buzzing as they dim, and I have not experienced any amp draw that has bothered the BCM. I think they look nice as they are "flush mount" instead of a LED 3m strip, they carry just enough light. I was initially thinking of running these off a relay, but I decided against it. If I have any trouble with the BCM acting up, that was my backup plan.

More photos

