**Study Center Lighting 8/27/2020**

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\**Lighting should be done close to the end of the project. New ceiling tiles should be installed, all major construction, painting and moving stuff around should be done first. This avoids knocking around and damaging hanging lights, as well as getting all the lighting dusty.*

**Phase 1 Lighting:**

* Drop ceiling area
  + Pendants positioned over bar (what about these? [White](https://www.litfad.com/65-wide-teardrop-pendant-lighting-modern-metal-1-light-white-hanging-light-s-119135.html) [Black](https://www.litfad.com/65-wide-teardrop-pendant-lighting-modern-metal-1-light-black-hanging-light-s-119133.html))
    - 11 total, positioned approximately where can lights are currently
    - Should bump out slightly so that they are centered over the depth of the bar
  + Remainder of can lighting in drop ceiling area
    - Stays as is
* Lighting outside of drop ceiling area
  + There are a total of 10 can lights in this area
    - The 6 closest to the “bookshelf wall” will be converted to pendants using conversion kits, creating more ambient light and defining seating/ study space
      * [Conversion kits](https://www.homedepot.com/p/Westinghouse-Recessed-Light-Converter-for-Pendant-or-Light-Fixtures-0101100/204785596#:~:text=The%20Recessed%20Light%20Converter%20adjusts%20to%20any%20can%20size%20between%204%20in.&text=Perfect%20for%20kitchens%2C%20family%20rooms,mounting%20hardware%20for%20convenient%20installation.) ($17.60 ea. at Home Depot)
        + Decision needs to be made on pendant and bulb/ should coordinate with pendants over bar
      * [Pendants](https://www.amazon.com/MKLOT-Lighting-Industrial-Chandelier-Diamonds/dp/B0723BJTFF/ref=pd_bxgy_img_2/137-4034720-9713954?_encoding=UTF8&pd_rd_i=B0723BJTFF&pd_rd_r=257b826e-9194-4c49-9267-1aac36220b46&pd_rd_w=QVaNy&pd_rd_wg=GUWbq&pf_rd_p=ce6c479b-ef53-49a6-845b-bbbf35c28dd3&pf_rd_r=RXT9SM0071WHZADJZMNM&psc=1&refRID=RXT9SM0071WHZADJZMNM) should hang approx. 1.5’ from the ceiling (and what about [GREEN](https://www.litfad.com/modern-led-pendant-light-fixture-green-urn-ceiling-suspension-lamp-with-metallic-shade-over-table-s-225972.html)?)
    - The remaining 4 (near the door and wide hallway) will remain as is
  + Track lighting above bookshelves
    - 10’ of track lighting against main bookshelf wall
* Floor lamps
  + 4-5 [tripod floor lamps](https://www.ikea.com/us/en/p/lauters-floor-lamp-with-led-bulb-brown-ash-white-20405938/) ($54 ea. @ IKEA)
* Desk lamps
  + 8+ [task lamps](https://www.ikea.com/us/en/p/naevlinge-led-work-lamp-white-00404925/) for study tables ($16.99 @ IKEA)

**Phase 2 Lighting**

* Track lighting above secondary bookshelves
  + 8’ of track lighting
* Wall sconces

**Additional**

* Outlets
  + All 10 wall outlets should be replaced with double USB port outlets and new covers
    - This makes the limited number of outlets we have work harder and reduces the need for extra outlets