Bill of Materials

Item Name	Description	Quantity	Unit cost ($)	Extended cost ($)	Link
12V LED Strip	Main component of lighting system	1	13.99	13.99	LED Light strips with connectors
Wires	1x20m 22AWG stranded wire for wiring system	1	11.99	11.99	20 meter electrical wire
Switch	To power the lighting system	1	3.83	3.83	I/O Electrical switch
12V DC Battery	2 pack of 12V PKcell batteries for LED Strips	1	5.00	5.00	12V DC Battery
PVC Pipe	To serve as base of handlebar	1	12.99	12.99	20 mm diameter PVC Pipe
Tape	To bundle wires together/fix items	1	9.99	9.99	Electric Tape
Battery Holder	To convery the power from battery to components safely	1	7.09	7.09	A23 Battery Holder
Iron Tee	To fix the attachment to the walker	2	1.98	3.96	Iron Tee
Subtotal				68.84	
Taxes+Shipping				8.95	
Total				**77.79**	

Equipment list

Item	Description	Type	Prototype #	Source
Onshape	3D cad design program	Software	1,2,3	Onshape
Drills	For driving in screws in the handlebar	Hardware	3	Brunsfield
Screwdriver	For fixing screws	Hardware	2,3	Brunsfield
Laser cutter	For laser cutting materials	Equipment	2,3	Makerlab
3D printer	For printing out parts	Equipment	2,3	Makerlab
Plastic Clamps	For attaching the handle attachment to the walker	Hardware	2,3	Makerlab
Lathe	For creating stubs/screws	Equipment	2	Makerlab
3D PLA Filament	To create 3D printed items	Equipment	2,3	Makerspace