

Project:

LightBot

Issued: 12/05/2022

Part	Qty	Unit Price (£'s)	Cost (£'s)	Supplier	Comments	Link
0.96" OLED 128x64 Display I2C, IZOOKEE	1	£3.60	£3.60	ebay	Can be re-used on other projects	Link
1N4006 Rectifier Diode 800V	2	£0.04	£0.08	Amazon	Sunk cost - cost per cm	Link
2mm x 10mm Steel Pozi Screws - silver	10	£0.03	£0.26	ebay	Can be re-used on other projects	Link
Button Switch 6x6x5mm 4 pin tactile	2	£0.03	£0.06	Amazon	Sunk cost	Link
DC Power Socket 5.5mm Ø2.1	1	£0.38	£0.38	ebay	Sunk cost	Link
ESP32 DevKitC ESP-WROOM-32S	1	£4.15	£4.15	AliExpress	Can be re-used on other projects	Link
GM5537 photo resistros	4	£0.08	£0.30	ebay	Sunk cost	Link
Pin Header Strips Female 1 x 40	2	0.28	0.014	ebay	Sunk cost	
Pin Header Strips Male 1 x 40	1	£0.30	£0.01	ebay	Sunk cost	
Resistors 1/4 W	6	£0.03	£0.16	RS Components	Sunk cost	
Servo Motor MG90D Metal Gear Digital	2	£4.90	£9.80	HobbyKing	Can be re-used on other projects	
1.75mm PLA Filament 1kg reel	0.125	£24.00	£3.00	3DPrintz	Sunk cost	
2-part epoxy Wilko glue	0.3	£4.10	£1.23	Wilko	Sunk cost	
		Total:	£19.44			
		Optional:	None		Can be re-used on other projects	
		Re-use:	£17.81		Can be re-used on other projects	
		Sunk:	£5.23		Sunk cost	

Notes:

Prices are indicative. Bulk purchases may be required to achieve figures. ie. LEDs, screws, etc
 Consumables like solder, flux, hook-up wire, etc are not included here, but are needed.
 3-D printer is an estimate, but 1kg reel will do the job.
 You will need a torch to interact with the LightBot, not included here.