

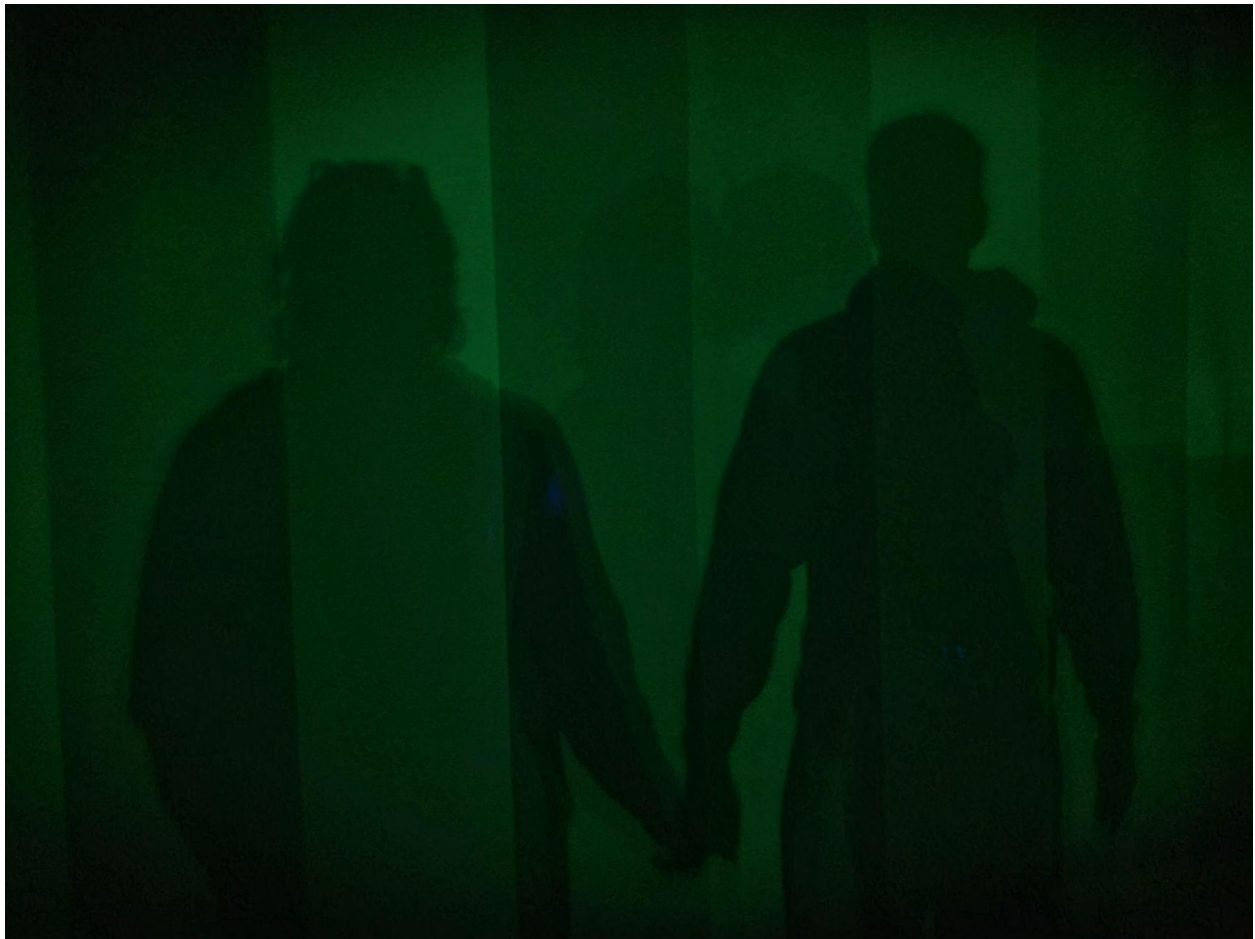
TITLE: Glow in the Dark Shadow Wall

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DESCRIPTION: Take “Glow-in-the-Dark” to a new level with a full size “Shadow Wall”. This life-sized wall utilizes a camera flash and will take a “picture” where the shadows will stay dark and the background will glow. The image will slowly fade away and be ready for the next set of shadows. Shadows can include people and objects, even in motion! “Drawing” on the wall is also fun with a flashlight.

COSTS: Costs are flexible based on size and available materials. The Glow-in-the-Dark vinyl sheets were about \$18/10 sq. ft. and can be taped together to any desired size. If you already have a camera flash with a remote, you do not need to buy one for this project. The mounting costs are dependent on where and how is best. I put about \$150 into our 8ft. X 8 ft. wall.

Completed Picture:



BUILDING STEPS:

1. Purchase Materials in MATERIAL LIST table below

2. Cut glow in the dark sheets to length. For 8ft x 7ft 6in, I cut each of the 6 10ft length to 7ft 6in and taped the remaining 30in pieces to form 2 more columns of 7ft 6in.
3. Tape the glow in the dark sheets together with packaging tape
4. Tape the full wall to the top PVC with packaging tape. Optional bottom PVC can also be taped if the bottom section is hanging and curling too much.
5. Mount PVC to ceiling. Since I have a drop ceiling, it was easy to drill holes in the PVC, insert electrical wire, and mount to drop ceiling brace.
6. Enclose the area in darkness. Since I have a drop ceiling, I was able to use clamps and dark blankets to block light.
7. Place the flash on a tripod near the back curtain, facing the shadow wall and centered. About 10ft from the wall was great.
8. Turn flash on and set channel to match remote, as well as max flash duration

MATERIAL NEEDED:

Material (For 8ft x 7ft 6in)	Quantity	Unit Price	Total Price
Glow in the Dark (White to Green) Heat Transfer Vinyl Roll 12in x 10ft	6	\$18.00	\$108.00
Camera Flash (2.GHz remote)	1	\$45.00	\$45.00
Tripod	1	\$17.00	\$17.00
Ceiling Clamps for blankets (as needed if using drop ceiling)	10	\$0.50	\$5.00
1 1/2" PVC Schedule 40, 10ft	1	\$12.00	\$12.00
Packaging Tape	1	\$1	\$1.00
Total			\$188.00
Optional Items			
Dark Blankets			
Electrical Wire (mount to ceiling)			
Tripod to hold flash			

TOOLS NEEDED:

1. Packaging tape dispenser is helpful
2. Measuring Tape
3. PVC Cutter (hack saw, pipe cutter or real PVC Cutter) if length is too long

USE INSTRUCTIONS:

1. Turn on flash and remote and verify they are on the same 2.5GHz channel

2. Stand close to wall (or place object near wall)
3. Close eyes!
4. Click the remote "test" button
5. Step away from wall and see shadow
6. Do it again with different poses and objects

NOTES:

1. The wall can be built to any size by cutting the glow in the dark sheets. They can be cut and taped into any shape as well. Just by the total area needed.
2. After we built the wall, we found that the Glow-in-the-Dark sheets had different glow intensities. If we do it again, we would test each sheet and tape them in order of intensity, to reduce streaking
3. "Resetting" the wall by flashing the wall without any object and wait to fade.

PICTURES:

























Fisher
Shadow
Wall

