

Zman's Chauvet LED Wash 200B Enclosure

Items needed:

- 8" plastic flower pot & water basin
- Drop Ceiling Diffuser 2'x2' or 2'x4'
- Metric Bolts substituted for the fixture thumbscrews, Stainless steel preferred, Check for sizing, (2 each)
- 10-24 x 3/4" bolt and nyloc nut, Stainless Steel preferred (2 each)
- Rubber lined washers sized for above screws
- Old soldering iron
- Drill
- Optional RotoZip or Dremel tool.
- Hot Glue Gun
- Exacto knife or box cutter
- Silicon
- Electrical tape
- Chauvet LEDWash 200B
- DMX Cords, length 1' - 5'



Rubber Lined Washers

Flower Pot Prep

1. Burn or drill a small weep hole inside the pot, toward the lip. See picture 3. This becomes the "bottom" of the assembly and has to be in alignment with the slot in step 2. See picture 5 for clarity. This will allow water to drain out of the enclosure should any get in. *Note picture 3 is rotated 90 degrees CCW.*
2. Dry fit the water basin to get spacial orientation for this next step. You will need a drill 2 3/4" holes approx 1 to 1-1/2" apart. Using a box cutter, carefully cut between the drilled holes to create a slot. See picture 5. If needed use the soldering iron or Dremel to smooth out the slot.
3. Measure and mark the pot in pencil to drill or burn the 4 mounting holes for the bracket and fixture. See picture 4. I do not use the original thumbscrew that holds the mounting bracket to the fixture. That bolt is metric and needs to be sized accordingly. The holes for the mounting bracket are not too critical, but you want the bracket to be able to swing around the bottom completely. This allow you to mount the assembly from the top or the bottom. Picture 2 is a top mounted example.
4. The holes to mount the light are the most critical and need to be measured out and marked carefully. You want the fixture to sit about 1/2" below the top of the pot, reference picture 2.

Lenese Cover

1. Using a black marker, draw circles on the diffuser that is *slightly* larger than the diameter of the pot opening / lip. You want the diffuser to sit easily on the top lip of the pot. See pictures 1 and 1A.
2. I used a band saw to cut these out, you could carefully use a jig saw ensuring that the diffuser is mounted on possibly cardboard to keep the material from shattering.
3. This diffuser lens can be sanded to smooth out the edges.

1.



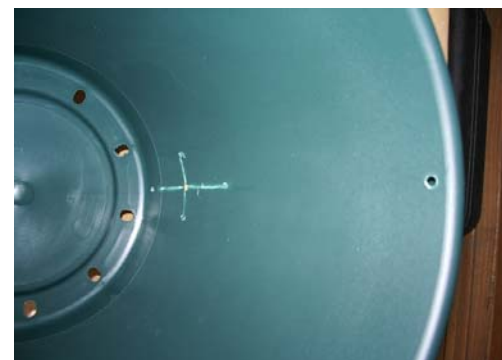
1A



2.



3.



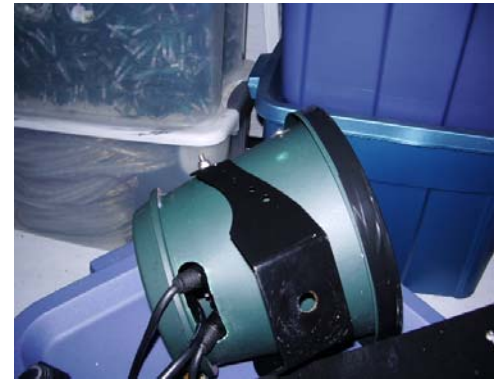
4.



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Assembly

1. Silicon the water basin to the pot. Then apply a bead of silicon in the gap between the pot and the top of the water basin. Let his sit at least a day for the silicon to fully set up.
2. Bolt the mounting bracket onto the enclosure. Use one of the rubber lined washers on the outside of the pot along with a nyloc nut. The nyloc nut will keep the bracket from getting loose, but you want to be able to flip the bracket if needed for different mounting options. Play with this some, because it needs to be tight enough to hold the assembly in place for aiming the fixture.
3. Take your 200B fixture, make sure you have the DMX address set to the right assignment. Also ensure you have the power switch set properly. **ALL THIS HAS TO BE DONE BEFORE YOU SEAL YOUR ASSEMBLY.**
4. Take the DMX pigtail cords and power cord and put them on the fixture.
5. The DMX cord connectors that are opposite the fixture need to be labeled with an "I" for Input and "O" for Output. This will be important after the assembly is completed.
6. Feed the DMX cords and the power cords through the slot and situate the fixture in the pot
7. Using the plastic washers that were attached to the bracket originally, place them on the inside of the pot and another rubber lined washer on the outside, bolt the fixture to the pot and tighten.
8. Lay a bead of hot glue onto the top lip of the pot. Then take the lens, and ensure you place the smooth side down onto the pot lip. Position it in place. This step needs to be performed pretty quickly before the hot glue cools too much.
9. Using electrical tape, apply a layer to the lens, fold it over to the pot. This will help seal this joint. Then apply a second layer of tape flat on the folded over part of the pot lip. See pictures 5 & 6.



5.



6.



7.

Notes

1. If you have more than one fixture assignment, be sure you label the pots, see picture 6. I have my lights set up for 2 different assignments so I can wash my house in 2 colors. So my pots are labeled 1 and 2. This goes along with Assembly step 3.
2. Should you ever have to get at the 200B fixture for maintenance, by removing the electrical tape and then using a box cutter, you can slide the blade into the hot glue and slice. This will preserve the lens. You just need to scrap the glue off both pieces re-assemble and glue as in Assembly step 8.
3. Pictures 6 & 7 show different mounting options. Picture 6, allows me to put the fixtures on my roof. I can attach the wooden base to the nails that hold the gutters on, with zip ties. I also have them mounted on aluminum tubes, so that some "hang" from my gutter spikes. On my web site, those are what wash my garage doors.
4. Using this method, the fixture floats inside the pot. Only touching it where the bolts attach it. This is important because water will remain off the fixture itself.
5. The diffuser lens serves to also "soften" the fixture beam.