

HART™



Wooden Lantern

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PROJECT PLAN


Skill Level: Intermediate


Materials

| Item | Qty |
|---|-------|
| 3/4" x 36" Square Dowel | 4 |
| 2" x 4" x 4' Board* | 1 |
| 3/4" x 2' x 8' Plywood Sheet | 1 |
| 7-1/2" x 10" Unfinished Beveled Wood Plaque | 1 |
| Wood Glue | — |
| Sandpaper** | — |
| Stain | 1 qt. |

* Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

** Starting grit will depend on board surface condition, a rough surface will require starting with a coarse grit first.

 Grit is measured in the coarseness of the particles on the sandpaper. The lower the grit number, the coarser the paper. Heavy sanding would require 60 to 80 grit, medium sanding would require 120 to 220 grit, and finish sanding would require 320 to 400 grit. Super fine sanding would be 600 grit and higher.

 A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

Tools Used



20V Circular Saw



Tape Measure



Carpenter's Pencil




Work Gloves



20V 1.5Ah Battery



20V Fast Charger

 **Battery Tip:** A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

Lumber Cut List

| Board* | Description | Cut To | Qty |
|------------------|-------------|--------------|-----|
| 36" Square Dowel | Risers | 14.5" | 4 |
| 36" Square Dowel | Stretchers | 9.5" | 4 |
| 36" Square Dowel | Stretchers | 6.5" | 4 |
| 2" x 4" Board | Top | 4" | 1 |
| Plywood Sheet | Top | 7.5" x 10.5" | 1 |

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Assembly Instructions

Step 1

Glue all 14.5" risers to each corner of your wooden base.

Step 2

Glue the top and bottom stretchers to create a box.

Step 3

Glue the plywood lid to the top of the box.

Step 4

Glue the 2x4 on top of the plywood.

Step 5

Once glue is completely dry, sand all surfaces.

Step 6

Paint or stain the lantern in the color of your choice.

Once the paint or stain is completely dry, finish your project by placing a pillar candle (traditional or battery-powered—your choice) in the lantern. Your project is now complete and ready to enjoy!