Hole Punch LED Lighting Bug

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INTRODUCTION

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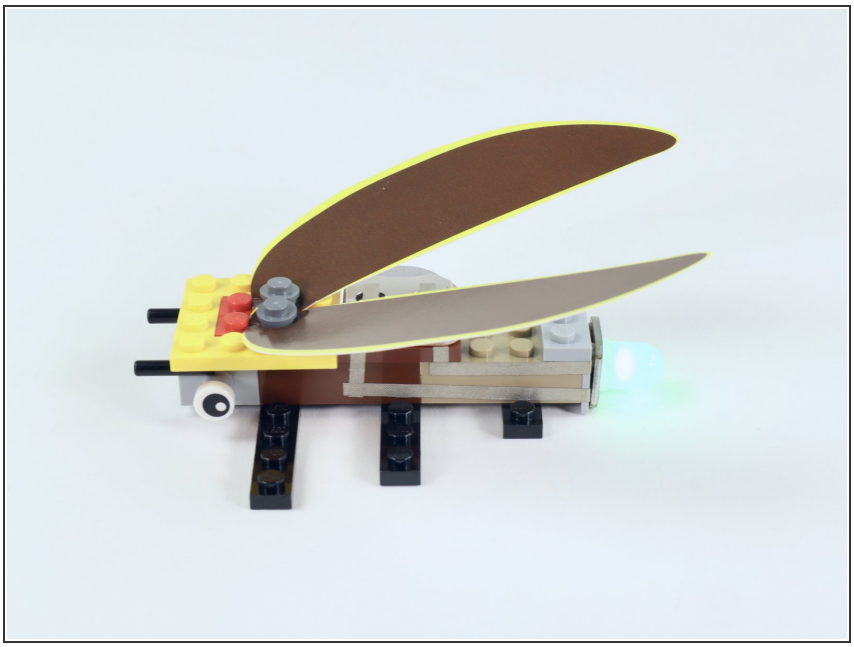
TOOLS:

- Scissors (1)
- Hole Punch (1)

PARTS:

- Maker Tape (1)
  1/4" Wide
- Crazy Circuits LED Chip (1)
- Crazy Circuits Coin Cell Battery Holder (1)
- CR2032 Battery (1)
- LEGO 1x1 Round Tile (2)
- LEGO Round Tile with Eye (2)
- LEGO 1x2 Plate (2)
- 1x4 LEGO plate (3710) (1)
- LEGO 1x8 Plate (1)
- LEGO 1x10 Plate (1)
- LEGO 2x6 Plate (1)
- LEGO 2x4 Brick (2)
- LEGO 2x2 Brick with pins and axelhole (1)
- LEGO 4x4 Plate with 2x2 open center (1)
- LEGO 1x2/2x2 Bracket Plate (1)
- LEGO 1x2 Plate with Handles (1)
- Printable Template (1)

Step 1 — Hole Punch LED Lighting Bug



- **Print out guide/wing template and gather the remainder of the listed materials.**
- **Use the illustrated build guide to help you assemble the lighting bug itself.** Wait to add wings until the circuitry has been added.
- Follow the circuit assembly diagram to help you **measure, cut, peel and stick the Maker Tape paths in place** where indicated on the LEGO build.
- **Press the circuit components into place** using the orientation shown in the circuit diagram. **Add battery** to turn the circuit on.
- **Cut out wings and use a hole punch to remove the holes on them.** Afterward, use the two 1x1 round tiles to secure the wings to the front part of the bug body.