

Lesson: Creating the lamp base sketch

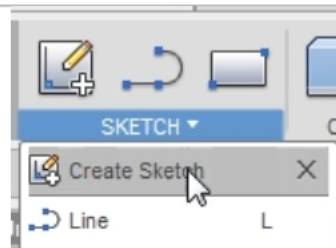
In this lesson, you will create sketch with a rectangle.

Learning Objectives:

- Create a sketch.
- Add a dimension.
- Add a constraint.

Step 1: Create a rectangle on the front plane

1. Create a sketch using Sketch> Create Sketch on the front (XY) plane.



2. Draw a 2-Point Rectangle starting at the Canvas origin and extending to the right and up; dimension it 32mm tall x 125mm long. Press enter twice.



3. Delete a constraint by left clicking and deleting the constraint icon. The line turns blue to indicate that the line is underdefined.



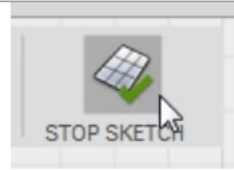
4. After the constraint is deleted, the line turns blue to indicate that the line is underdefined. The line no longer has to be vertical.



5. Add a Perpendicular constraint back to the same line to turn it black. This can be done by holding down the CTRL key and selecting the lines before the constraint or you can first select the constraint from the Sketch Palette and then hold CTRL while selecting the lines.



6. Click Stop Sketch



7. Save the file in the Desk Lamp folder and name it 03 Desk Lamp.

