



## Side-light Fiber Optic Tube – 4mm Diameter – 1 meter long

PRODUCT ID: 4163

Yay, a plastic tube! No, we jest. This is no ordinary plastic tube, but rather a side-lighting fiber optic tube.

This is a pretty neat way to glow up. Light in the fiber optic cable zooms through the core by constantly bouncing off of the edge of the molded plastic, a principle called "total internal reflection" (which also kinda sounds like a very expensive meditation island retreat). When the light pipe doesn't have total reflection, you can get a nifty lighting effect from the light illuminating the plastic tubing.

This tube is 4mm diameter, but is nice and flexible plastic and when lit with a powerful LED, has a nice glowing effect. You can cut it down from 1 meter with diagonal cutters.

Note: This is *just* the tube, and does not include an emitter LED. You'll also want to grab one of our fiber lights. We've got them in red, green, blue, white, and Adafruit pink!

## TECHNICAL DETAILS

- Diameter: 4mm
- Length: 1 meter

