

PHYSICS 570 – Master's of Science Teaching

“Electricity”

**Lecture 15 – Real Circuits with
Light bulbs**

**Instructor – Richard Sonnenfeld
mpsonnenfeld@gmail.com**

575-835-6434

Light bulbs are ALMOST like resistors.

Basic circuits courses treat light-bulbs like resistors.

They really aren't though because when real lightbulbs get hot, their resistance increases.

In working with real lightbulbs, we will see that they are really NOT like ideal resistors ... but we can measure their temperature!!

Homework is Lab 15

Build lightbulb circuits using pHeT “DC Circuits” simulation.