

BE A DIFFRACTION DETECTIVE™ INVESTIGATE AND DISCOVER PATTERNS OF LIGHT!

YOU MIGHT THINK YOU KNOW THE TYPE OF LIGHT– LED, FLUORESCENT, OR INCANDESCENT – FROM THE BULB SHAPE.

FOR INSTANCE, SWIRLY BULBS ARE CFL, COMPACT FLUORESCENTS.

BUT SOME LIGHTS (SUCH AS INCANDESCENT FLOOD LAMPS AND LEDS) APPEAR TO HAVE THE SAME SHAPE, ESPECIALLY AT A DISTANCE. YOU CAN DISCOVER THE TYPE OF LIGHT BY USING THE DIFFRACTION GRATING!

SEPARATE YOUR SPECTROBURST™ VIEWER AND START WITH THE **BLUE FRAME** ONLY. VIEW THE LIGHT **AT A DISTANCE** AND SEE IF YOU CAN MATCH UP THE PATTERN FOR EACH INDIVIDUAL SPECTRUM:

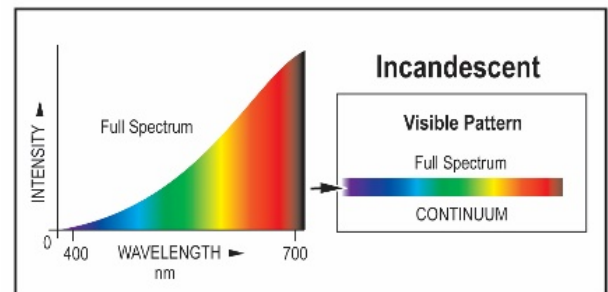
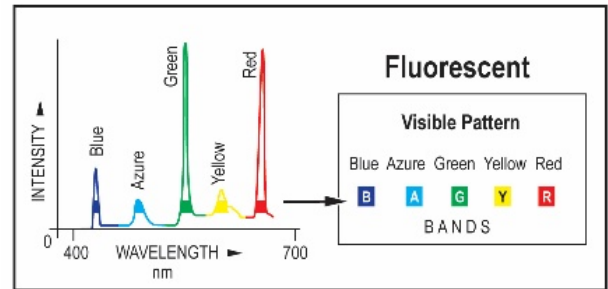
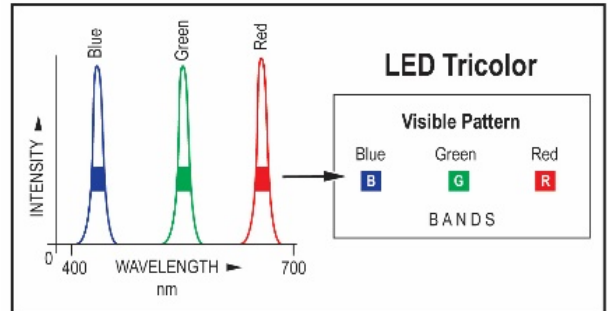
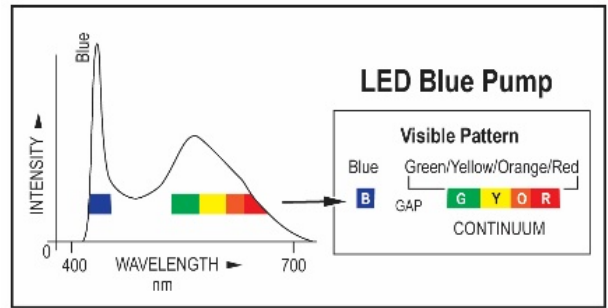
DEPENDING ON YOUR LIGHT SOURCE, THE SPECTRA MAY BE LONGER OR SHORTER THAN THE EXAMPLES.

HOW MANY OF EACH KIND OF LIGHT CAN YOU FIND IN YOUR HOME OR SCHOOL?

YEARS AGO, INCANDESCENT LIGHTS WERE THE MOST COMMON. NOW YOU MAY NOT FIND MANY BECAUSE THEY ARE BEING REPLACED WITH ENERGY EFFICIENT LED AND FLUORESCENT LIGHTS.

TAKE YOUR VIEWER OUTSIDE AT NIGHT! SOME OF THE MOST STRIKING PATTERNS CAN BE SEEN FROM STREET LIGHTS. STREET LIGHTS MAY NOT MATCH THE INDOOR LIGHT PATTERNS. SODIUM VAPOR AND MERCURY VAPOR LAMPS ARE QUITE DIFFERENT.

THIS IS THE DIFFRACTION DETECTIVE INSERT THAT ACCOMPANIES SPECTROCLICK'S SPECTROBURST™ VIEWER



WARNING: DO NOT VIEW THE SUN OR A LASER.