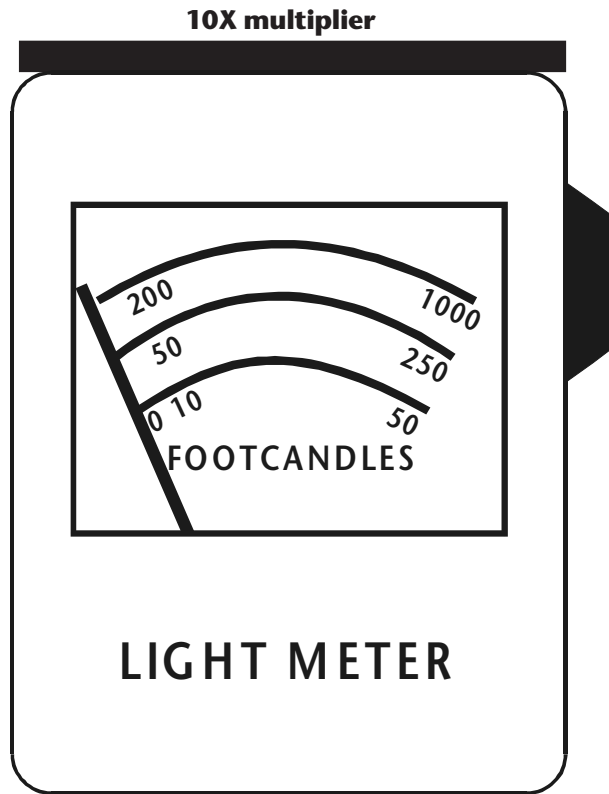


# THE LIGHT METER

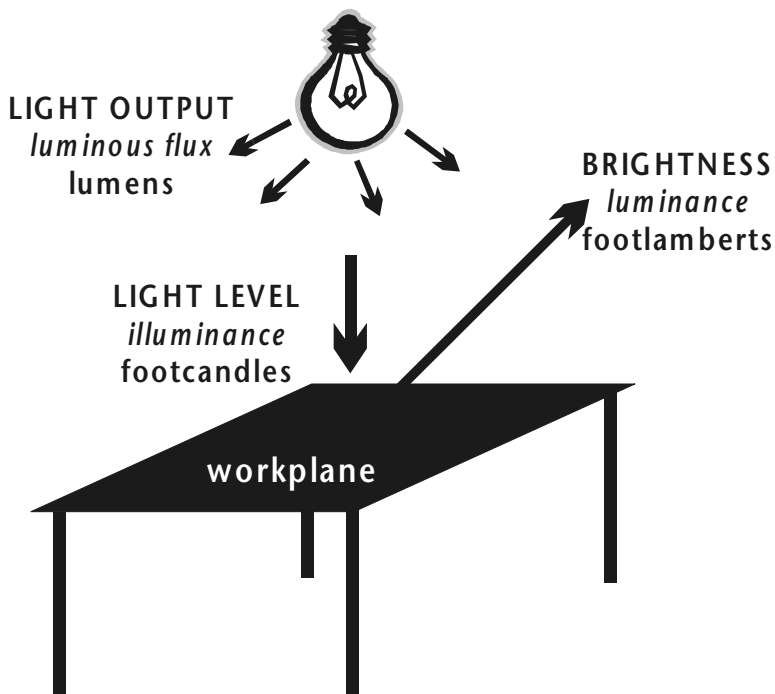
Remove the black cover (10X multiplier) for indoor readings. Place it on the meter for bright outdoor readings and multiply the reading by 10 to obtain the correct measurement.

See the operating instructions in the meter box for more detailed information on operating the light meter.



The black switch on the side of the meter moves up and down. In the lowest position, it reads the bottom scale on the meter, in the middle position it reads the middle scale, and in the uppermost position it reads the top scale.

The bottom scale is used for dim light and the top scale for bright light. For indoor lighting, use the bottom or middle scale, experimenting with both to see which one provides the more accurate reading.



## LIGHT OUTPUT

A **lumen** is a measure of the light output (or *luminous flux*) of a light source. Light sources are labeled with an output rating in lumens. A T-12 40-watt fluorescent lamp, for example, may have a rating of 3050 lumens.

## LIGHT LEVEL

A **footcandle** is the measure of the quantity of light (illuminance) that is actually reaching the work surface where the light meter is placed. Footcandles are *workplane lumens per square foot*. The light meter can measure the quantity of light from 0 to 1000 footcandles.

## BRIGHTNESS

Another measure of light is brightness or *luminance*. Brightness is the measure of light being reflected from a surface in a particular direction. Brightness is measured in **footlamberts**.