



HOW TO DETERMINE ADEQUATE LIGHT LEVELS

This chart was developed as our recommendation for adequate lighting levels under three hypothetical decorative situations: dark, medium and light colored walls and ceilings.

It is based on the average lumen output of 60, 75 and 100 watt inside frosted incandescent light bulbs since these sizes are most commonly used in fixtures for general lighting. When smaller wattage bulbs are used, the wattage requirements should be considered somewhat higher than those shown in the chart and, likewise, if larger bulbs are used, the need can be considered somewhat lower. This is to compensate for the fact that lower wattage bulbs produce fewer lumens per watt than those of higher wattage.

We are aware that individual light level preferences vary considerably. However, once the fixtures are installed, it is much easier and less costly to reduce lighting levels than to increase them.

Note that when fluorescent lighting is used in place of incandescent, the amounts shown in the chart can be reduced by one-half since fluorescents produce well over twice as many lumens per watt than incandescent bulbs. We have included equivalent lumen output per square foot to aid in light level calculations using sources other than standard incandescent.

TO USE THE CHART

1. Find the square footage of your room by multiplying its length by its width.
2. Multiply this total by the watts per square foot figure shown in the chart that corresponds with the type of room you are figuring and its decorative scheme.
3. The answer you get is the desirable amount of incandescent light you need. This total can be rounded up or down so as to be applicable using standard wattage bulbs.

TYPE OF ROOM	LIGHT COLORED DECOR	MEDIUM COLORED DECOR	DARK COLORED DECOR
*Kitchen Bathroom Den Study Workshop	4 Watts (56 Lumens) per sq. ft.	5 Watts (70 Lumens) per sq. ft.	6 Watts (84 Lumens) per sq. ft.
*Bedroom *Living Room Den *Family Room Utility	3 Watts (42 Lumens) per sq. ft.	4 Watts (56 Lumens) per sq. ft.	5 Watts (70 Lumens) per sq. ft.
*Dining Room *Entertainment Area Storage Room Hallways	2 Watts (28 Lumens) per sq. ft.	2-1/2 Watts (35 Lumens) per sq. ft.	3 Watts (42 Lumens) per sq. ft.

* Indicates a room where use of a dimmer switch is suggested.