



HOW TO DETERMINE ADEQUATE LIGHT LEVELS

This chart was developed as our recommendations 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. It should be noted that when smaller wattage bulbs are used, the 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 acknowledge that there are other factors that could have a bearing on lighting needs. We are also aware that individual light level preferences vary considerably. However, we remind you that once the fixtures are installed, it is much easier and less costly to reduce lighting levels than to increase them.

It should also be noted 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 of light per watt than incandescent bulbs.

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 per sq. ft.	5 Watts per sq. ft.	6 Watts per sq. ft.
*Bedroom *Living Room Den *Family Room Utility	3 Watts per sq. ft.	4 Watts per sq. ft.	5 Watts per sq. ft.
*Dining Room *Party Room Storage Room Hallways	2 Watts per sq. ft.	2-1/2 Watts per sq. ft.	3 Watts per sq. ft.

*Indicates room where use of dimmer switches are suggested.