5 Tips for Using True Lumens Lighting in Your Home

Using True Lumens lighting in your home is a great way to create a dramatic effect. The intensity of light will affect the look of a scene. You can measure the cubic area of a room to calculate how much light is needed. You can also use the ASHRAE/IES 90.1 standard to find the optimum lumen output.

The intensity of the light source affects the look of the scene

A light source's intensity can significantly impact the look of a scene. Its intensity can be controlled by changing the wattage of the light source or by using a neutral-density gel or a scrim. A dimmer is also helpful for adjusting the light intensity without affecting the color temperature. There are also some LED lights with built-in dimmers.

Buying light bulbs based on lumen output

The number of lumens a light bulb produces indicates its brightness and energy efficiency. However, lumens per watt are not always comparable, so it is vital to understand the difference between them before buying a light bulb. In addition, you should pay attention to the manufacturer's warranty, which can vary from one product to another.

Purchasing light bulbs based on lumen output is an excellent way to save energy costs. This decision will ensure that you're getting the best possible lighting solution for your needs. So not only will you be able to reduce your energy bills, but you'll also be able to save money.

When buying a new light bulb, it's best to experiment with a few different types before you decide on one. It's helpful to try a variety of bulbs in various settings and even try them at other times of the day to see which one produces the most light. Then, if you don't like any of the bulbs you've purchased, you can return them quickly.

Calculating the cubic area of space

When planning a lighting scheme, one crucial consideration is calculating the total number of lumens needed to illuminate the space adequately. The total number of lumens in your lighting plan should be close to the number of lumens required per cubic foot, or you'll end up with too much light, and you'll have to reduce lighting in certain areas.

To calculate the total lumens, you need to know the cubic area of your retail space. Then, multiply that number by 1.5 to 2.5 to estimate the lumens you need. To find the total number of lumens required per square foot, multiply the total cubic area by 1.5 to 2.5.

Using ASHRAE/IES 90.1 standard

ASHRAE/IES 90.1 is an energy-efficient lighting standard that defines lighting power density as the watts of light needed to illuminate one square foot of space. The current version of the standard is based on the latest technologies. It provides two ways to calculate the power density: by building area or room. The building area method is more efficient and straightforward to implement. It requires a designer to input the total square footage or place of an existing building.

The lighting section of 90.1 includes prescriptive and mandatory provisions. These provisions apply to automatic shutoff controls, space controls, outdoor building grounds lighting, and tandem wiring. The standard intends to establish a minimum level of performance for

illumination, not to dictate design or color. Using the standard, you can meet energy-efficiency goals while complying with current regulations.

The ASHRAE/IES 90.1 standard is applicable for new and existing buildings. When retrofitting an existing building, it must follow the applicable ASHRAE/IES 90.1 standards. In addition, the standard allows lighting control by a combination of light fixtures.