Harnessing the Power of Daylight Through Quality Windows

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Thomas Edison invented the light bulb to shed a new source of light into the world. However, an older source of light already existed before he was even born: the sun. As light bulbs light up homes and offices at night, the sun provides enough light at day. Yet, the sun needs an entry point to share its light with every home and office in the worldâ€”a job just right for windows.

Harnessing sunlight as a source of light during the day helps homes and offices save hundreds of dollars on energy costs. Turn the lights off during the day and let the sun provide the light that homes and offices need. The best thing about natural light is that it provides light for freeâ€”no energy bills from the sun whatsoever. It is for this reason that homes and offices have to invest on windows that do a good daylighting job.

Of course, letting daylight inside the premises can also result in the room getting warmer than usual. While warmth can be countered by ventilation systems such as air conditioners, having both light bulbs and air conditioners on at daytime is a downright energy disaster. Researchers at the Asian Institute of Technology in Thailand say electric lighting accounts for up to 40 percent of energy consumption, while air conditioners account for 80 percent.

In regions across the U.S. where it is sunny all year round, taking advantage of the free source of energy is a good idea. Harnessing this energy, however, requires windows Lexington KY has to offer that are clear enough to allow light to pass through. The National Fenestration Rating Council (NFRC) points to the visible transmittance value of windows in the market to harness daylight. This can be seen in NFRC stickers in windows.

It is also recommended to look at the solar heat gain coefficient of windows Lexington residents pick. SHGC for short, this value indicates how much heat from the sun the window can block. While it is possible for the SHGC not to be low without the visible transmittance value also low, choose a window that has ideal coefficient values. Also, make sure to install windows facing the source of daylight.

It is always courteous to accept any offer extended to you out of generosity, especially if it is the sun giving. Daylight can both be a life and energy saver when harnessed with the right replacement windows Lexington KY homes and offices use. In daylight, there is always plenty of light for every man, woman, and child in the world.

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