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# Warm Lighting

When is Warm Lighting Appropriate?



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Living room with warm light. Stockbyte / Getty Images

Warm lighting feels more natural for us in the evenings. As part of our [natural human circadian rhythm](#), warm light seems to relax us and help us wind down for the say, get ready for sleep. While cool lighting helps us be alert and energetic for performing tasks, cool lighting in our evening spaces may interfere with our inner clock. We think of reddish light as warmer and bluish light as [cooler](#).

Warmer light promotes relaxation.

The color of light is expressed in [color temperature](#), which relates to the temperature of a hypothetical black body would radiate at various temperatures – and, perhaps confusingly, warmer colors are at lower color temperatures than cooler colors are.

Colors on the color temperature scale from about 2700-3000K are called warm colors. These are the reddish or yellowish whites, and are typical of incandescent lamps.

Incandescent bulbs emit light based on thermal radiation – the heat of the filament – so the color temperature is closely related to the actual temperature of the filament of the bulb.

Soft white compact fluorescent bulbs produce light at a color temperature of about

3000K.

Sunset and sunrise typically feature light in the warm color temperature range, a bit lower in number (about 1800K) than the light of a warm incandescent bulb. Moonlight is a bit bluer or cooler, in the 4100K range. Candle and match flames are typically in the range of 1700-1900K.

Perhaps warmer colors resonate with us for evening because of the color of the evening hearthside fire. Warm light in the early morning, as might come in through an east-facing window, can also be comforting and help ease us into wakefulness.

Whatever the reason, you can create the effect of warmth and comfort through lighting in the "warm" range.

Most of us do that with separate lighting sources. We open the curtains or blinds during the daytime and let the early morning warm sunlight, then later the cool natural daylight in. Then at night, we have used incandescent lighting and maybe a fireplace to produce that warmer ambient lighting. If we want to read, we may have a fixture that throws cooler light on the screen or page.

As we age, the lens of our eyes can become slightly yellowed, and we see colors as warmer. Balancing warm light with more cool light is [helpful as we age](#).

Warm colors in a room tend to change our perception of color of objects within the room from how they would look in daylight. If your room is lit with mostly warm light, be sure to check out any furniture or other decor you're considering under a similar light, to avoid unpleasant surprises.

Too much warm light can tend to be a bit soporific, and make it harder to focus on specific tasks. That's why many office spaces are lit with cooler lights instead.

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### **Where Should I Use Warm Light?**

Consider not just the choice between warm or cool light, but where and when to use each. You will likely want some mixture of cool and warm light in a space, and it's especially helpful to have separate controls for "scenes" that require different ambiance.

Warm, or soft white, light, is especially appropriate for cozy living spaces where we want to relax and be comfortable. Use it to simulate evening or very early morning light. Use cooler lighting for tasks that require a lot of focus. Warm lights look better in many period rooms, and especially those with warm colors in them.

A warm white bulb is the common choice to replace older incandescents.