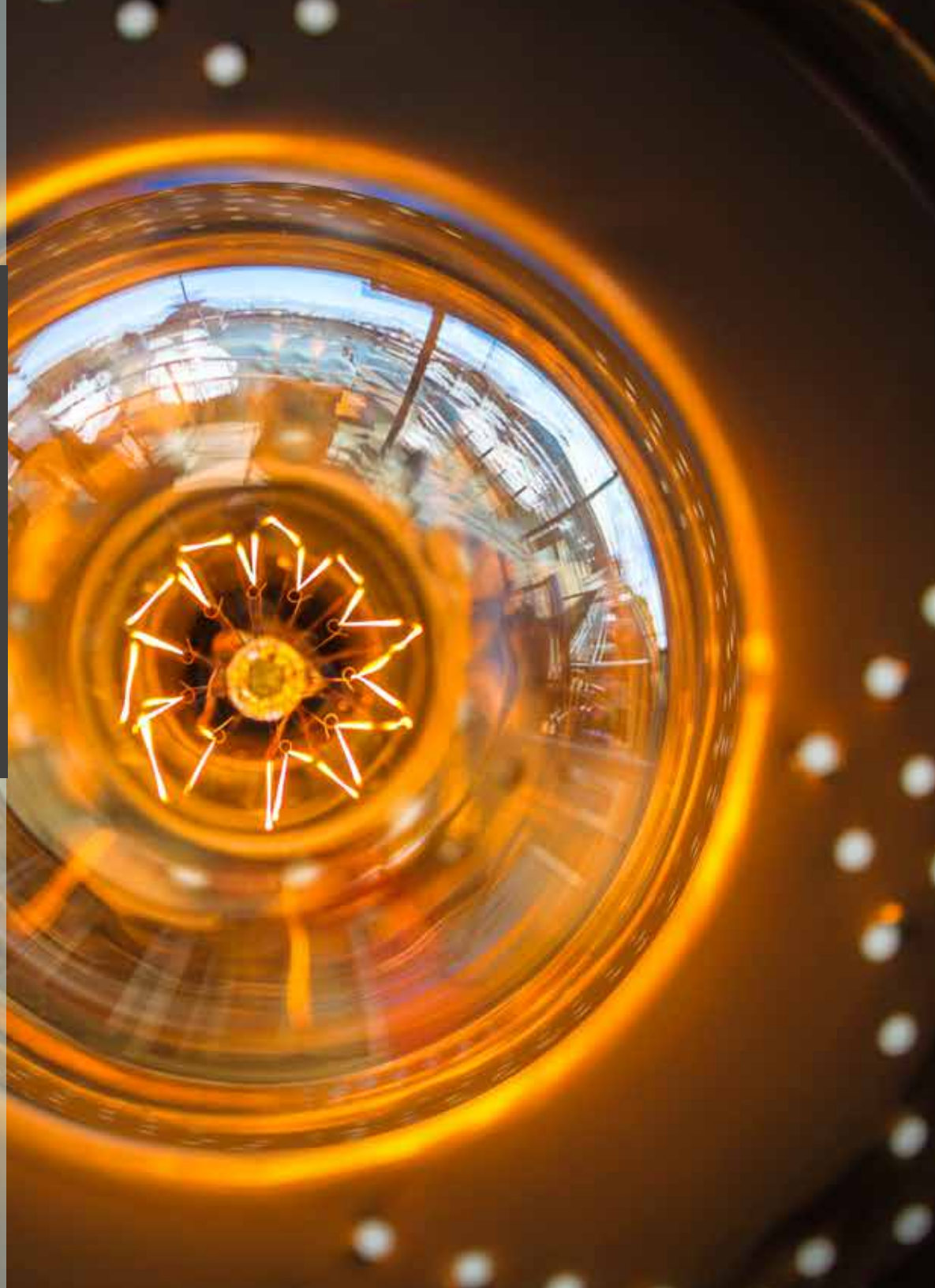
A STARTING POINT ON LIGHTING

GUIDE



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THE IMPORTANCE OF LIGHTING

Lighting sets the mood, creates an inviting environment, allows for dramatic focal points and truly lights the way in your home or space. When done well, the type of lighting and placement you choose directly impacts the overall atmosphere and perceived size of your space. By layering different types of lighting, your interior design and color selections will shine. If you are ready to accentuate your space with lighting then our guide can offer a good first step into understanding lighting.

3 TYPES OF LIGHTING

There are three basic types of lighting you should layer in a room in order to accomplish optimal lighting.

AMBIENT

The light that is already present in a space before any additional lighting is added. This refers to natural light or artificial light, such as normal room lights.

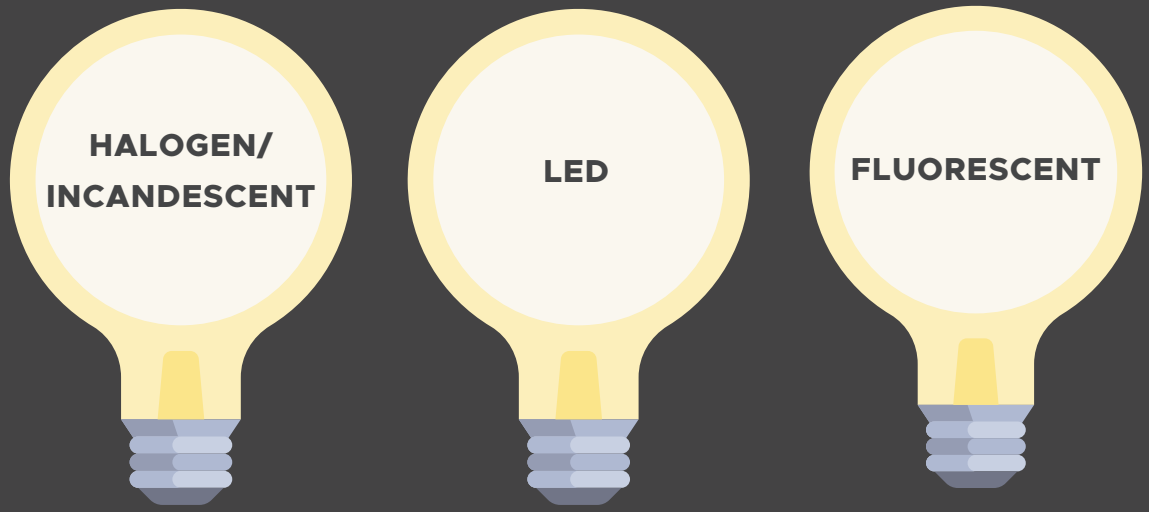
ACCENT

Focused light on a particular area or object. This includes sconces, track lighting or can lights. Brighter light creates visual interest.

TASK

Increased illumination for performing specific tasks. This lighting should help to make an activity easier by relieving eye strain for focused work.

3 TYPES OF BULBS



LUMENS = BRIGHTNESS OF LIGHT

Lumens is a unit of luminous flux in the International System of Units that is equal to the amount of light that is emitted from a source. In short, it is the measurement of how much light you are getting from a bulb. More lumens means it's a brighter light. We used to look at incandescent bulbs in watts to determine it's brightness, that information is now presented in lumens.

Lumens	1600	1100	800
Incandescent	100 watt	75 watt	60 watt
LED	14 watt	11 watt	9 watt
Halogen	72 watt	53 watt	42 watt
Fluorescent	23 watt	18 watt	14 watt

How many lumens do I need?

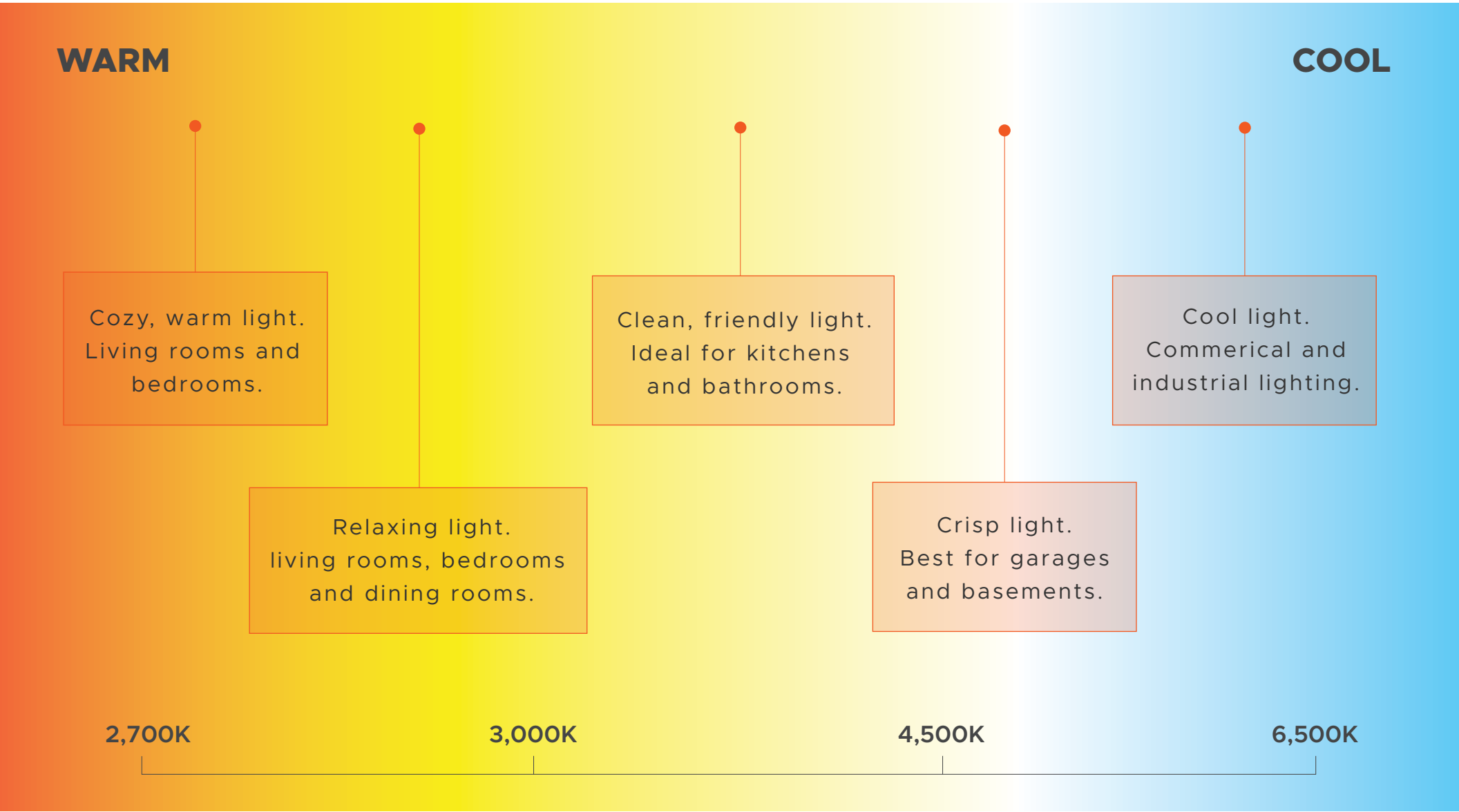
An average living room of 250 square feet would need around 5,000 lumens as the primary light source. We also recommend 800 lumens each for task lighting, such as a reading lamp on either side of a couch.

***Lumens per square foot = total lumens divided by the total square footage of the area.**

In a kitchen you want good light output. Lumens play a big part in creating that brightness. In order to get more lumens, you have to add either higher wattage bulbs or more fixtures.

KELVIN = COLOR OF LIGHT

Kelvin is a unit of measurement used to describe the hue of a specific light source. The higher the Kelvin value of the light source, the closer the light's color output will be to actual sunlight.



I've always been fascinated with light, lighting design and the endless possibilities of its use. After over 100 years in existence, the incandescent bulb is burning out and LED lamps are really beginning to shine. Everything we do is dependent on some level of light, natural or artificial."

- Brad Snyder

Lead Electrician

How to read a lighting facts label:

Similar to nutrition labels found on food packages, the lighting label can provide you the information needed to make the right lighting choice for your space.

Lighting Facts Per Bulb

Brightness	**820 lumens**
Estimated Yearly Energy Cost $7.23	
Based on 3 hrs/day, 11¢/kWh	
Cost depends on rates and use	
Life	
Based on 3 hrs/day	**1.4 years**
Light Appearance	
Warm — Cool	
2700 K	
Energy Used	**60 watts**

Energy cost per year

Color appearance scale

Displays the brightness in lumens.

How long the bulb will last.

Energy use shown in watts. The most efficient bulbs require less watts to give off the same amount of brightness.

INDIRECT LIGHTING

Light that you can see without seeing the source. This type of lighting can be used to accentuate a wall or special feature in your home. The most common use of indirect lighting is for the purpose of ambiant lighting and can diffuse harsh lines and redirect light.

TASK LIGHTING

Localized lighting installed specifically to illuminate a workspace in order to better carry out certain tasks.

- Under cabinet lighting
- Desk lamps
- Table and floor lamps
- Track lighting
- Recessed lighting

LANDSCAPE LIGHTING

Outdoor illumination of walkways, gardens, entrances or home exteriors. This lighting is used for safety, nighttime aesthetics, accessibility, security, recreation, and social or event purposes.

- Deck lights
- Path lights
- String lighting
- Entry & backdoor lights
- Security lights

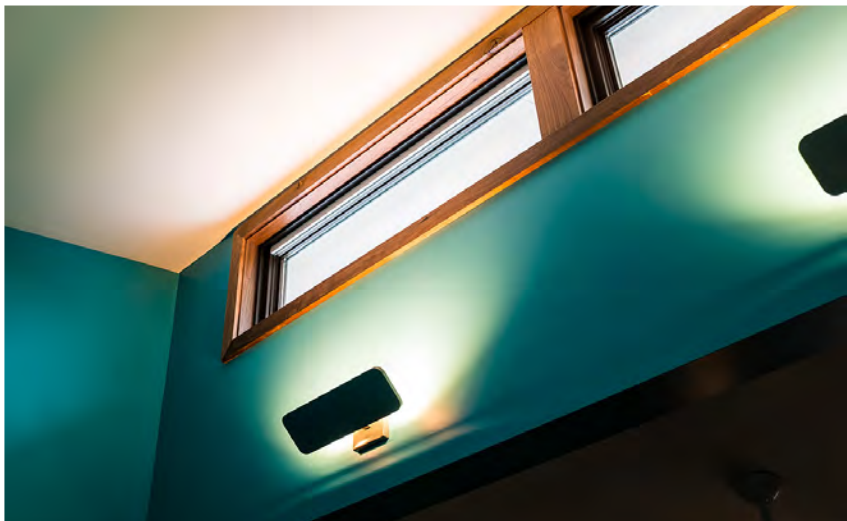
CABLE LIGHTING

A lighting system that uses conductive tensioned cable to provide a variety of interesting lighting arrangements. The cables, which are hung with accent, ambient, or decorative fixtures, run in parallel lines below the ceiling that provides lighting in unique spaces.

ACCENT LIGHTING

Light that is focused on a certain area or object. This lighting is used to highlight art or artifacts. It also can be used to enhance a partcular feature in your home to create visual interest.

- Spotlights
- Track lighting
- Recessed lighting
- Wall sconces



DECORATIVE LIGHTING

Light that acts as the jewelry of your home. This type of light adds a layer of illumination that demonstates your personal style and makes a statement.

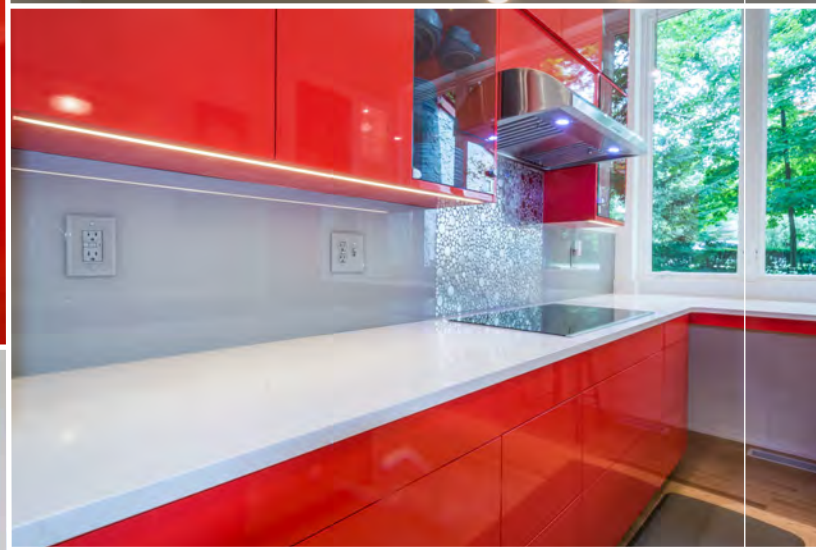
- Chandeliers
- Pendants
- Desk and floor lamps
- Wall sconces

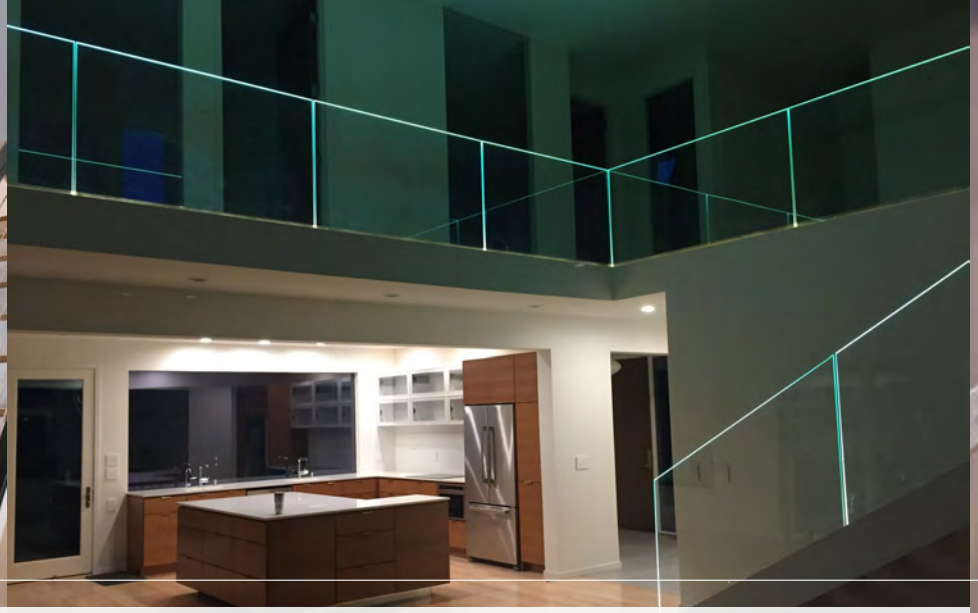
- accent lighting
- cable lighting
- task lighting
- undermount lighting
- recessed lighting

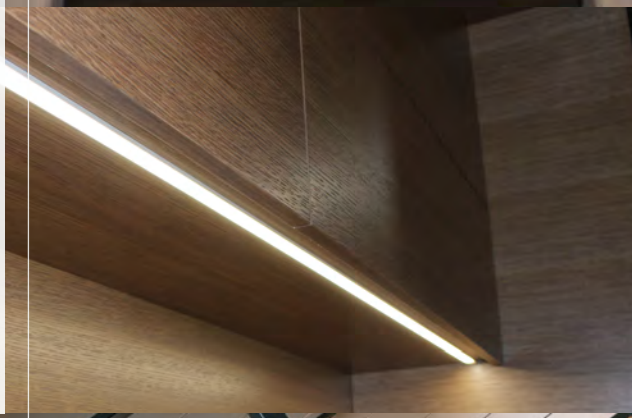
BRAD'S FAVORITE

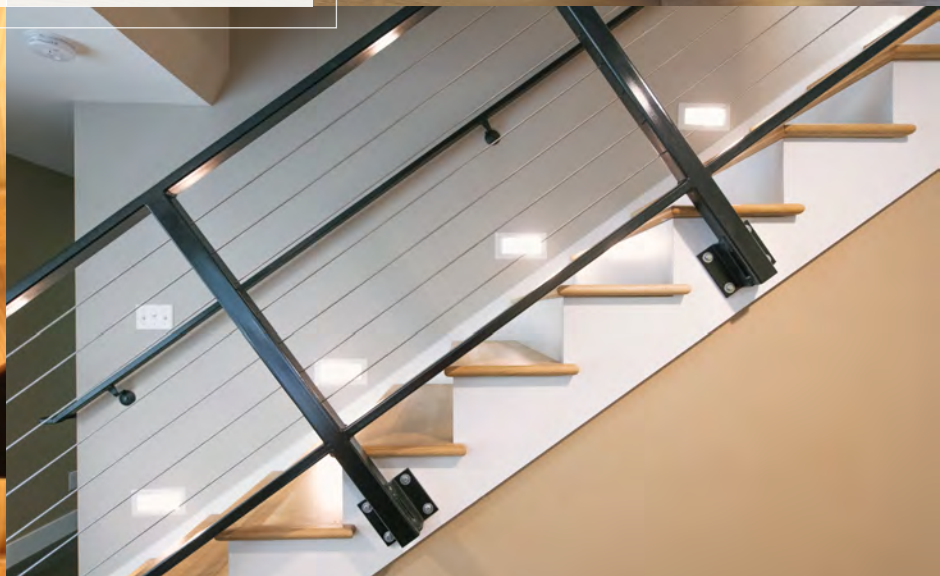
KITCHEN REMODEL | RAMBLE ROAD

A kitchen remodel on North Ramble Road. The design by Springpoint Architects included the layering of multiple types of LED lights and switch options all in one space. It is the ultimate example of lighting possibilities and the outcome is extraordinary.









The Possibilities of Lighting

Bradley Snyder | Lead Electrician

Brad formed Lone Wolf Electric in 1992 and was an LWB sub contractor from 2011 to 2014. In 2014 Brad partnered with LWB thereby bringing all electric services in house. Brad has 37 years experience, with 27 years as a licensed electrician and contractor.

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