LED LIGHTING
Selection Guide

LumaPro®

BENEFITS OF LED

LEDs emit little heat and no ultraviolet/infrared radiation. Because minimal heat is transferred with the light, the lamp and surrounding objects do not raise the ambient temperature which can help reduce your cooling costs. Converting to LED lamps from conventional lighting provides your business with benefits such as:

- Improved energy efficiency compared to incandescent, fluorescent or halogen bulbs
- Considerably longer bulb life compared to incandescent, fluorescent or halogen bulbs
- No warm-up time required

LOOKING TO MAKE THE SWITCH TO LED?

Here is a list of things to consider when choosing the right bulb for your needs.

COMMON SHAPES

A-Shape (A)
Standard household lighting (e.g., A19)

Mirror Reflector (MR)
Used for interior accent lighting as well as track lighting (e.g., MR16)

Parabolic Reflector (PAR)
Used for security purposes in outdoor lighting fixtures as well as recessed downlighting for indoor applications (e.g., PAR38)

Reflector (R)
Used in recessed downlighting or track lighting for indoor lighting applications (e.g., R30)

Tube (T)
Long, tubular bulbs normally used in office lighting applications (e.g., T8)

WATTAGE & LUMENS

Historically, the brightness of light bulbs was measured in watts. Now lumens are being introduced as a new unit of measurement. This chart converts the number of watts your light bulb consumes to the amount of lumens produced. Choose bulbs with high lumens and low wattage for the best energy cost savings.

LUMENS	INCANDESCENT	HALOGEN	CFL	LED
450 lm	40W	29–50W	11–14W	7–9W
800 lm	60W	39–60W	15–18W	10–18W
1100 lm	75W	60–70W	19–23W	13–20W
1600 lm	100W	70–120W	23–30W	20–23W

VOLTAGE

When choosing voltage, be as precise as possible. Low voltage draws more current and high voltage reduces the life of your bulb.

COLOR TEMPERATURE

Different bulbs produce different lighting effects often referred to as the color temperature of the bulb. Lower Kelvin (K) numbers mean the light appears more yellow; higher numbers mean the light is whiter or bluer.

Warm White/Soft White
1900K up to 3100K

Cool White/Neutral
3101K up to 4500K

Bright White/Daylight/Natural
4501K up to 6800K

Northlight/Blue Sky
6801K and above

COLOR RANGE GUIDE

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