

LUXX LIGHT TECHNOLOGY

COMMERCIAL REFRIGERATION LIGHTING SOLUTIONS

Version 2.0



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REFRIGERATION LED LIGHTING

A direct boost on your bottom line

Lighting, more specifically LED Lighting, is one of the most important aspects of commercial chillers, refrigerators and freezers.

From being able to receive local GOV utility rebates to significantly improving shopping experiences, LED lighting for commercial refrigeration can be used to easily and quickly gain a competitive edge!



BENEFITS & ADVANTAGES

1 **Draws Attention**

Products are correctly lit-up and easier to see.

2 **Temperature Control**

LEDs run 10-14 times cooler than traditional bulbs.

3 **Save Money**

Reduction in maintenance, operating and energy costs.

4 **Improve Ambiances**

Create a better sense of space and enhance the quality of a setting.



MULTI-DECK COOLERS

Because people buy with their eyes

Shoppers don't see the physical lights; they see the results of the lights. Right beam angle light evenly distributes lighting across products, eliminating shadows, hotspots and glare.

The uniformity of light gives a consistent professional presence to the coolers and an even distribution of light across the multi-deck shelves.

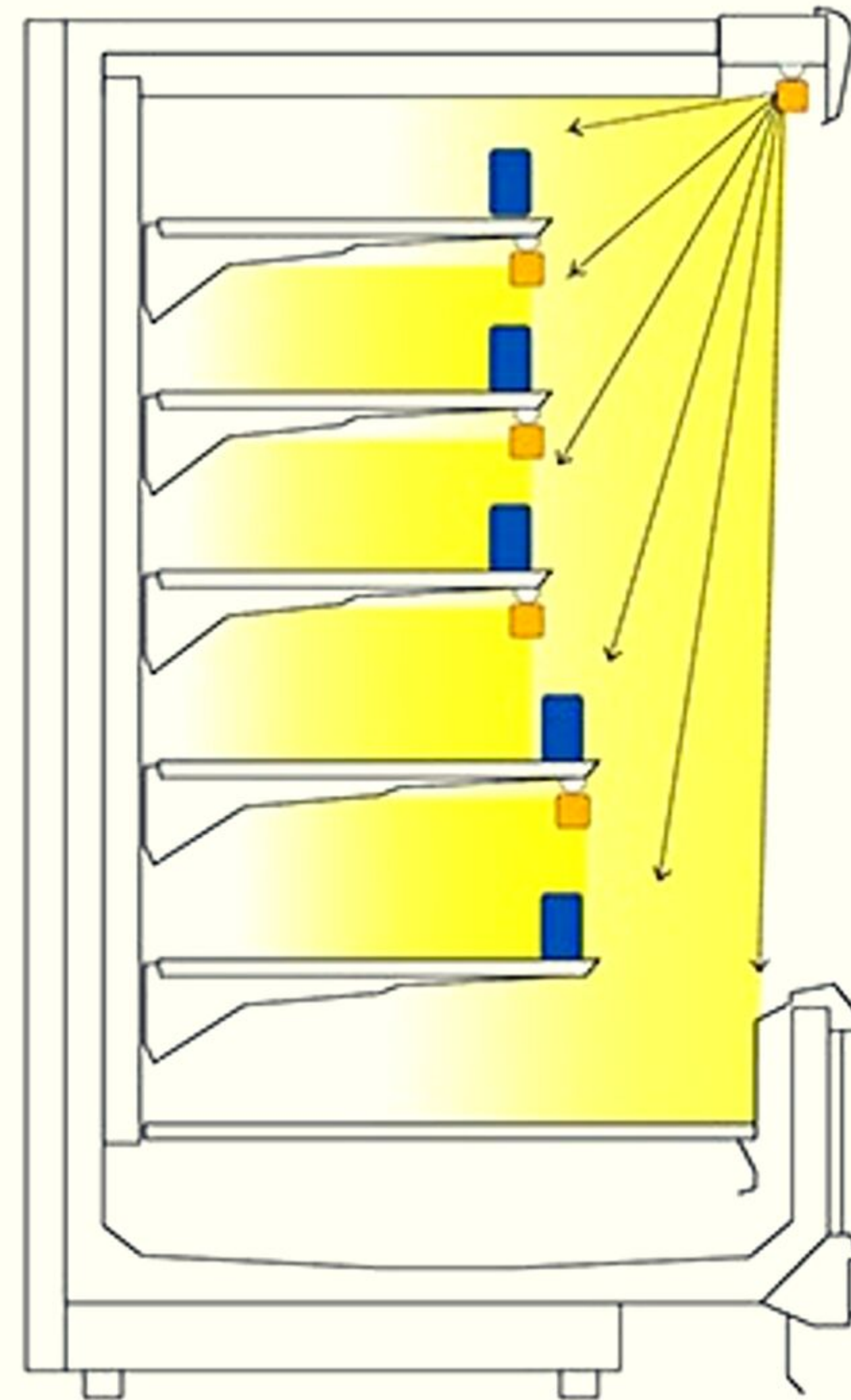
See Page 7 of our Freezer & Fresh Food Lighting Catalog for product details. ([Click here to view](#))

MULTI-DECK COOLERS

Controllable beams of light

High CRI and flexible color temperature options deliver exceptional color rendering and boost the visual appeal and textures of meat, seafood and produce selections for modern shoppers.

Adjustable LED lights can be installed on the top shelves with the ability to rotate the position in the exact angle needed to fine tune for optimization of visual merchandising viewing.





COMMERCIAL FREEZERS

Reduce overhead

LED freezer lights provide a superb illumination of all kinds of products. Save money on electricity and maintenance costs due to the low wattage used while emitting less heat and reducing work loads on the cooling compressors.

Experience a perfect light distribution due to the specially designed lenses, that evenly distribute the light up to 24" deep and high.

VERTICAL FREEZERS

Long lasting performance

Durable acrylic enclosures protect the LEDs while removing safety precautions associated with traditional fluorescent tube glass breaking or mercury spills.

Built-in occupancy sensors auto-adjust the lighting levels based on passing by traffic levels, saving you on energy costs + adding life to your LEDs.

See Page 24 of our Freezer & Fresh Food Lighting Catalog for product details. ([Click here to view](#))





T8 TUBES

The next generation of lighting

Did you know that a traditional T8 bulb is considered end-of-life at 60% of its light output, which equates to roughly 14,400 hours of usage?

A T8 LED tube is deemed end of life at 70%, which is approximately 50,000 hours.

Most LED T8 tubes feature a dot-/hot spot-less design, creating the same linear effect like fluorescent T8 tubes.

T8 LED TUBES

Effectively distribute light

Regular T8 bulbs have a beam angle of 360 degrees. That means the majority of the light is going out the sides and top of bulb, not illuminating the targeted area.

The beam angle of a T8 LED tube is anything from 30° to 180° and rotatable, allowing you to adjust the tubes to an exact position so your merchandise is completely lite-up and visible!

See Page 29 of our Freezer & Fresh Food Lighting Catalog for product details. ([Click here to view](#))



LOCAL UTILITY REBATES

Get rewarded for switching to LEDs

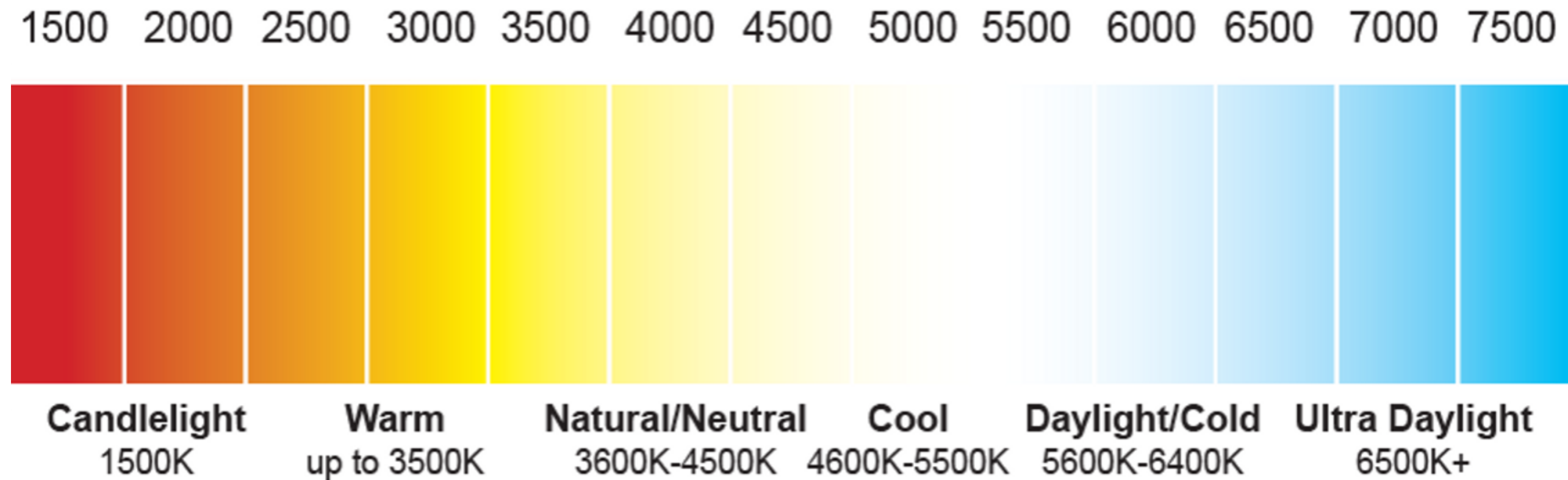
Did you know that many utility companies offer rebates as an incentive to commercial customers for upgrading to more energy efficient lighting?

Rebates offer huge benefits to your business. By implementing lighting measures that reduce the energy used in a given space, you will save money on your electricity bill.

[Click here to search for local rebate offerings.](#)



TECHNICAL TERMS



Color Temperature

Color temperature is a way to describe the light appearance provided by a light bulb. It is measured in degrees of Kelvin (K) on a scale from 1,000 to 10,000.

Typically, Kelvin temperatures for commercial and residential lighting applications fall somewhere on a scale from 2000K to 6500K.

TECHNICAL TERMS

CRI Ra

CRI is determined by comparing the appearance of colored objects under an artificial light source to its appearance under incandescent light. Originally 14 colors were included, but now only 8 of them count for the average.

The higher the CRI, the better the light source is at rendering colors accurately. High CRI is favored, but less bright.

CRI Re

Now 15 colors, all count for the average, including red (R9).

TM-30

TM-30 uses a Fidelity Index, Gamut Index and Color Vector Graphic to evaluate the light source color rendition. The difference between CRI and TM-30 is, that TM-30 uses 99 color evaluations (CES), instead of just 8/15.



ABOUT US

LED Lighting Manufacture

Since 1996, LUXX LIGHT TECHNOLOGY has been a global leader in custom engineering and manufacturing of LED lighting solutions for the Retail and the Display Industry, Commercial Refrigeration, Shelf Lighting and unique Profile extrusions.

With a focus on R&D, we place emphasis on creating high-end, long lasting fresh produce lighting that adds longevity to shelf life cycles while improving the overall visual appeal.

COMPANY TIMELINE





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